#### GROUNDWATER ELEVATIONS FORMER BATTERY PLANT, 1201 MAGNOLIA AVE ANAHEIM, CALIFORNIA

Well ID	Date	Well Casing Elevation	Depth to Water	Groundwater Elevation
MW-1	8/3/2006	89.58	24.40	65.18
MW-2	8/3/2006	90.77	25.79	64.98
MW-3	8/3/2006	92.15	26.61	65.54
MW-4	8/3/2006	91.17	26.21	64.96
MW-5	8/3/2006	89.87	24.75	65.12
MW-6	8/3/2006	89.05	23.90	65.15
MW-7	8/3/2006	89.54	24.50	65.04
MW-8	8/3/2006	89.64	24.61	65.03
MW-8D	8/3/2006	89.48	24.47	65.01
MW-9	8/3/2006	89.77	24.82	64.95
MW-10	8/3/2006	86.84	22.05	64.79
MW-11	8/3/2006	86.60	21.69	64.91



1016 East Katella Ave. Anaheim, CA 92805 (714) 939-6850

3620 Kurtz St. San Diego, CA 92110 (619) 686-5800

WHD PROJECT	NO.:	08	1610	360	)		DATE	: 7	2	-06	5	DAY:	THU	CZ.
JOB LOCATION:	AI	رکتہ پیملر ر	EIN	1			CLIEN	IT: ff	iE-17	12	DRITH	DAY: DJOB#:	<u> </u>	
HOURS		DESCF	RIPTION OF V	NORK					TDAY/EL	T	OTHER CLEAN-UP	+	NON CHA	RGEABLE
START STOP	Explain Re	easons For A	All Down Tim	e and Sta	and-By T	ime	DRILLED	DRILLING	TO/FROM JOB SITE	GROUT	DECON	BY	DOWN TIME	SHOP TIM
	A.M. SHOP T	IME											-	
700 730	TRAVELTO	OB SITE							. 5					
	H&S MEETIN	G			_									
730 41 5	DEUE	102	2	لسعرة	Ein	:,5					8.75	•		
	•													
2														
415445	TRAVELFROMJO	BSITE							. 5					
	P.M. SHOPTIME												-	
	TOTAL CHARGE	ABLE RIG H	OURS		P. ~	75			1.0		9,75			
EQUIPMENT			RIG TYP	E & NO.	5					, N	ATERIALS	S/SUPPLIES	3	.'
FLATBED TRUCK	#		MILEAGE	ROUN	DTRIP				ITEM		QTY.	PVC-SS 1"	2" / 4" / 6"	QTY.
DECON TRAILER	#	$V_{-}$	COMPRE	ESSOR/	AIREX	C. TOOL		SAND				20 Ft. SCREEN		
GROUT PUMP/WI	HIRLY		HYDRO	PUNCH	# OF H	IOLES		READY	MIX			10 Ft. SCREEN		
BOBCAT/FORKLIF			CONTINUC	DUSSAM	PLINGFO	DOTAGE		QUICK	SET			5 Ft. SCREEN	1	
CONCRETE SAW			SERVICE	RUNS				PORTL				20 Ft. BLAN	<	
CONCRETE COR			HAND AL	JGER F	OOTAG	E			NITEGROUT			10 Ft. BLAN	(	
BIT/REAMER WEA	T		AIR VAC	CHODI	IOUDO	Ť		_	NITE CHIPS			5 Ft. BLANK		
NAME	SIGNATU	RE	CONCRETE	SHOP I AM	PM	DRILLHRS	TOTAL		NITE POWDE			SLIP CAPS		
BRUC	<u> </u>								NITE PELLET	S		THREADED		
				-					LT PATCH	101		LOCKING CA		
								+	COVERS 8"/"			HOLE COVER		
NO. OF CREW WIT CHARGEABLE PERD	<del> </del>		OHABOE:	01.5.5.5	DA   15	ODUES		-	MENT CASIN			CONES/DELI		
DEPTH TO WATE			CHARGEA					BARRE			5_	TRAFFICCO		
COMMENTS			OHANGEA	DLE LEV	CL D/U	ino.			PLUGS	-		PLASTIC SHE		
JOMMENTO	·								E RINGS PROBE WA	rep		SPARGETIP	J	
								-	PROBE GA					-
							· · · · · · · · · · · · · · · · · · ·	SINIOL	- NODE GA	<u> </u>				
					·	-		-						
X 0000	<del>~i -</del>		7					1/2						



# UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Tel:

714.985.3434

Fax:

714.985.3433

# **GROUNDWATER SAMPLING LOG**

PROJECT NAME:	Delphi-Anaheim	WELL NO.	HA-MW- S
PROJECT NO.:	32486	SAMPLED BY:	
DATE: 7-	3-26		

WELL	INFO	RMATION		
TOP OF CASING ELEV.				( ft.)
WELL DIAMETER		2		(inches)
DEPTH OF WELL 44	4.9-	47-8	FINA	L (ft.)
DEPTH TO WATER			1.5.3	3 <u>8</u> (ft.)
HEIGHT OF WATER COLU	IMN			( ft.)
CASING VOLUME*	Hgt. x	Gal./Ft.	=	(gal)
PURGE VOLUME		x 3	-	(gal)
PRODUCT THICKNESS			-	( ft.)

WELL CONDITION:

WEATHER CONDITIONS:

#### **PURGING AND SAMPLING EQUIPMENT:**

	PURGE DATA											
Time	Purge Vol	Flow Rate	pН	Sp.Cond.	Turbidity	DO	Temp.	Sal.	TDS	ORP	Color	Odor
	(Gal.)	(Gal./Min.)		(uS/cm or S/m)	(NTUs)	(mg/L)	(F/C)	(%)	(g/L)	(mv)		
825	50R	SE										
340	3414	156	AZ-									
923	FUM	P								***		
431	30	2.0	8.30	1810	HOTO		20.7					-
435	4.0		836	1900	ا ڈ 3		21.7				*	
440	30		8-92	1800	203		22.1					
943	35		8.93	1800	125		222					
947	570	۴	C							·	<del></del>	

Sample	Sample	Analyses	Container	Quantity	NOTES:
No.	Time			,	
				- 15.4	
	l f		ĺ	1	

#### **ADDITIONAL INFORMATION:**

TOC = Top of well casing

Well Diameter	0.75	2	4	6
Gallons/foot	0.02	0.16	0.65	1.47



# UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Tel:

714.985.3434

Fax:

714.985.3433

# **GROUNDWATER SAMPLING LOG**

PROJECT NAME:	Delphi-Anaheim	WELL NO.	HA-MW- 6
PROJECT NO.:	32486	SAMPLED BY:	
DATE: 7.43	1-61		

WELL	. INFORM	IATION	
TOP OF CASING ELEV.			( ft.)
WELL DIAMETER	2		(inches)
DEPTH OF WELL 44	-6		( ft.)
DEPTH TO WATER		7.448	( ft.)
HEIGHT OF WATER COL	UMN		( ft.)
CASING VOLUME*	Hgt. x	Gal./Ft. =	(gal)
PURGE VOLUME		x 3 =	(gal)
PRODUCT THICKNESS		,	( ft.)

WELL CONDITION:

WEATHER CONDITIONS:

#### PURGING AND SAMPLING EQUIPMENT:

	PURGE DATA											
Time	Purge Vol	Flow Rate	pН	Sp.Cond.	Turbidity	DO	Temp.	Sal.	TDS	ORP	Color	Odor
	(Gal.)	(Gal./Min.)		(uS/cm or S/m	(NTUs)	(mg/L)	(F/C)	(%)	(g/L)	(mv)		
1200	コロ	S.C.										
1215	Bri	2										
17.70	Pul	10/5										
12 45	10	7.0	8.89	1510	>(020	,	209				. ""	
12 50	20	7	892	1500	700		21.0					
1256	30		899	1490	302		21.0					-
1302	40	7	9.02	14.90	751		262					
1310	55	-	9.ili	74.80	32.5		21.2	2	77	F		

Sample	Sample	Analyses	Container	Quantity	NOTES:	
No.	Time		<u> </u>			
				-		

#### **ADDITIONAL INFORMATION:**

TOC = Top of well casing

\*Casing Volume =  $r^2h(ft) \times 7.48 \text{ gal/ft.}^3$ 

Well Diameter	0.75	2	4	6
Gallons/foot	0.02	0.16	0.65	1.47



# UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Tel:

714.985.3434

Fax:

714.985.3433

# **GROUNDWATER SAMPLING LOG**

PROJECT NAME:	Delphi-Anaheim_	WELL NO.	HA-MW- 7
PROJECT NO.:	32486	SAMPLED BY:	
DATE			

WELL	INFOR	MATION	
TOP OF CASING ELEV.			( ft.)
WELL DIAMETER	2		(inches)
DEPTH OF WELL		3.2	( ft.)
DEPTH TO WATER		7:00	(ft.)
HEIGHT OF WATER COL	UMN		( ft.)
CASING VOLUME*	Hgt. x	Gal./Ft. =	(gal)
PURGE VOLUME		x 3 =	(gal)
PRODUCT THICKNESS	_		( ft.)

WELL CONDITION:

DRIVER SOREST FRANCO

**WEATHER CONDITIONS:** 

#### PURGING AND SAMPLING EQUIPMENT:

					PURGE	DAT	Α					
Time	Purge Vol	Flow Rate	pН	Sp.Cond.	Turbidity	DO	Temp.	Sal.	TDS	ORP	Color	Odor
	(Gal.)	(Gal./Min.)		(uS/cm or S/m	(NTUs)	(mg/L)	(F/C)	(%)	(g/L)	(mv)		
34	PIL	· F					•					
34:		1.4)	(3.02	1470	>::#3	,	7.1.4					
1544	2.7	1	705	14/20	>1.725.3		7.16					
1235	20		886	14.60	192		Z2.0					
19.00	40		212	j460	107		22.1					
14.05	5.2	,	284	1460	67		7.18					
1408	55	7	827	1460	4.5		21.9					
	50	アンル	2									

Sample	Analyses	Container	Quantity	NOTES:	
Time					
1			<del> </del>		
	1 1	1 1	1 1 1		

#### **ADDITIONAL INFORMATION:**

TOC = Top of well casing

Well Diameter	0.75	2	4	6
Gallons/foot	0.02	0.16	0.65	1.47



# UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Tel: 714.985.3434

Fax: 714.985.3433

# **GROUNDWATER SAMPLING LOG**

PROJECT NAME:	Delphi-Anaheim	WELL NO.	на-мw- <i>3</i> S
PROJECT NO.:	32486	SAMPLED BY:	
DATE:			

WELL	. INFORI	MATION	
TOP OF CASING ELEV.			( ft.)
WELL DIAMETER	2		(inches)
DEPTH OF WELL			( ft.)
DEPTH TO WATER			( ft.)
HEIGHT OF WATER COL	UMN		( ft.)
CASING VOLUME*	Hgt. x	Gal./Ft. =	(gal)
PURGE VOLUME		x_3 =	(gal)
PRODUCT THICKNESS	Care In		( ft.)

WELL CONDITION:

WEATHER CONDITIONS:

#### PURGING AND SAMPLING EQUIPMENT:

					PURGE	DAT	A					
Time	Purge Vol	Flow Rate	pН	Sp.Cond.	Turbidity	DO	Temp.	Sal.	TDS	ORP	Color	Odor
	(Gal.)	(Gal./Min.)	_	(uS/cm or S/m	(NTUs)	(mg/L)	(F/C)	(%)	(g/L)	(mv)		
1547	15	2.0	849	1510	21000		20.6					
1552	25	70	86.6	1430	289		21.0					
155	735	_1	862	1430	138		21.0					
1603	43		8.77	14.30	23.9		71.3	· <del>-</del>				
1610	55		8-73	1430	21.5		21.1					
		y										
			<u> </u>									

Sample	Sample	Analyses	Container	Quantity	NOTES:
No.	Time				

# ADDITIONAL INFORMATION:

TOC = Top of well casing

Well Diameter	0.75	2	4	6
Gallons/foot	0.02	0.16	0.65	1.47



# UNDERGROUND **ENGINEERING & ENVIRONMENTAL SOLUTIONS**

Tel:

714.985.3434

Fax:

714.985.3433

# **GROUNDWATER SAMPLING LOG**

PROJECT NAME:	Delphi-Anaheim	WELL NO.	HA-MW- 8	
PROJECT NO.:	32486	SAMPLED BY:		
DATE: 7-7	-06			

WELL	INFOR	MATION	
TOP OF CASING ELEV.			( ft.)
WELL DIAMETER	2		(inches)
DEPTH OF WELL 7	7.2-	77.5904	( ft.)
DEPTH TO WATER		250	7.4 (ft.)
HEIGHT OF WATER COL	UMN	57.2	<b>6</b> (ft.)
CASING VOLUME*	Hgt. x	Gal./Ft. = 8-	<b>3</b> (gal)
PURGE VOLUME		x 3 =	(gal)
PRODUCT THICKNESS			( ft.)

#### WELL CONDITION:

WEATHER CONDITIONS:

#### PURGING AND SAMPLING EQUIPMENT:

					PURGE	DAT	A					
Time	Purge Vol	Flow Rate	pН	Sp.Cond.	Turbidity	DO	Temp.	Sal.	TDS	ORP	Color	Odor
	(Gal.)	(Gal./Min.)		(uS/cm or S/m	(NTUs)	(mg/L)	(F <b>/</b> C <b>)</b>	(%)	(g/L)	(mv)		
1002	SUK	5£.										
10;罗	BAK											
1040	FV	40 F										
1050			9.45	2010			20,2					
1055	15		9-21	2010		-	21.5					
1036	$D^{r_2}$	77										
120	ے کی ا	1. OC	D	BAIL								
1140	57	11/										

Sample	Sample	Analyses	Container	Quantity	NOTES:
No.	Time				
		7.1. 7.1			

#### **ADDITIONAL INFORMATION:**

TOC = Top of well casing

Well Diameter	0.75	2	4	6
Gallons/foot	0.02	0.16	0.65	1.47



# UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Tel: 714.985.3434 Fax: 714.985.3433

# **GROUNDWATER SAMPLING LOG**

PROJECT NAME:	Delphi-Anaheim	WELL NO. HA-MW-	*-
PROJECT NO.:	32486	SAMPLED BY:	
DATE:			

WELL	. INFORM	MATION	
TOP OF CASING ELEV.			( ft.)
WELL DIAMETER	2		(inches)
DEPTH OF WELL	W ?		( ft.)
DEPTH TO WATER		2.5	(ft.)
HEIGHT OF WATER COL	UMN		( ft.)
CASING VOLUME*	Hgt. x	Gal./Ft. =	(gal)
PURGE VOLUME		x 3 =	(gal)
PRODUCT THICKNESS			( ft.)

#### WELL CONDITION:

#### WEATHER CONDITIONS:

#### PURGING AND SAMPLING EQUIPMENT:

					PURGE	DAT	A					
Time	Purge Vol	Flow Rate	pН	Sp.Cond.	Turbidity	DO	Temp.	Sal.	TDS	ORP	Color	Odor
	(Gal.)	(Gal./Min.)		(uS/cm or S/m	(NTUs)	(mg/L)	(F/C)	(%)	(g/L)	(mv)		
								·				
440	5000 C		7.7	11-45	7:07:57		7.27	<u></u>				
1445	7 F	,	544	1000	71(202)		Z. [. ]	-				
12, 11	2 3		1.512	1610	268	•	21.7					
14.57			349	1600	49.1		21.0					
53	425		200	500	2 - 1		71.					
1750	-5.5	N/	900	/	id h		7 . 7					

Sample	Sample	Analyses	Container	Quantity	NOTES:	
No.	Time			-		
	<del></del>					

#### **ADDITIONAL INFORMATION:**

TOC = Top of well casing

Well Diameter	0.75	2	4	6
Gallons/foot	0.02	0.16	0.65	1.47



1016 East Katella Ave. Anaheim, CA 92805 (714) 939-6850 3620 Kurtz St. San Diego, CA 92110 (619) 686-5800

TADC PROJECT I	NO.:	9360	<u> </u>			DATE:		7-	17-	06 DAY: 1	C 0 1	7
JOB LOCATION:		PNAIR	1M			CLIEN	T: //	2/6	+PL	7 K. 1 10B#: 35.	2486.0	306
HOURS		DESCRIPTION OF WOR	K		FOOTAGE				NON	MATERIALS		
START STOP		ns For All Down Time and		/ Time	FOOTAGE DRILLED	DRILLING	OTHER CLEAN-UP DECON	STAND	CHARGEABLE DOWN TIME	ITEM	CODE	QTY.
912834	TRAVEL TO		1				.7.7	<u> </u>		SAND	0002	<u> </u>
246	H&S MEET	The second secon					,,,			READY MIX	20020	<del> </del> -
030		IRLOF Z	1116	1412	5		3.7	_		QUICK SET	20025	<del> </del>
3.201 56	) CL	ILLIE. L	<u> </u>	<u></u>		<u></u>	ا برد	Ρ		PORTLAND	20015	
											ļ	-
		· · · · · · · · · · · · · · · · · · ·								VOLCLAY GROUT	15035	
										BENTONITE CHIPS	15010	
										BENTONITE POWDER	15020	
										BENTONITE PELLETS	15040	
										ASPHALT PATCH	20005	
										WELL COVERS 8"/12"		
										MONUMENT CASING		مصد
										DRUMS	25005	3
		******								WOOD PLUGS		7
								<u> </u>		SAMPLE RINGS		
1815123	TRAVEL FRO	M JOB SITE								CONES/DELINEATORS		
			·				.7.			PLASTIC SHEETING	70070	
	TOTAL CHAR	GEABLE RIG HOURS	7	+.	-2		11 7	7_		PVC 2" / 4" / 6"		
INTERNAL COLURNE			OMPANY		7	0.71	15D		OTV	20 Ft. SCREEN		
INTERNAL EQUIPME	NT NO.	BOBCAT:	UNIPANY	YES	CON	OTH ICRETE S		*****	QTY.	10 Ft. SCREEN		
SUPPORT VEHICL		FORKLIFT:				CRETE C	~~~~					-
DECON TRAILER	D - 3	AIR VAC:			-	RO PUNC				5 Ft. SCREEN		-
BOBCAT		COMPRESSOR:			CON	TINUOUS	SAMPLI	NG		20 Ft. BLANK		
FORKLIFT COMPRESSOR		JACK HAMMER:				VICE RUN				10 Ft. BLANK		ļ
JACK HAMMER		TRAFFIC CONTRO	L:		MILE	AGE ROL	JND THIE			5 Ft. BLANK		
OTHER:		OTTIETI,								PVC 2" / 4" / 6"		
										SLIP CAP		
NAME		SIGNATURE	CONCRETE	SHOF	PHOURS PM	DRILL HRS	S TO	OTAL		THREADED CAP		<u>l</u>
BRUG	<u> </u>									LOCKING CAP		
				1								
				1		<b></b>						
NO. OF CREW WIT CHARGEABLE PERD	H IEM		CHA	RGEAR	LE EXTRA	LABOR HE	RS.				<b> </b>	<u> </u>
DEPTH TO WATE					LE LEVEL							
COMMENTS			1 "									
301111111111111111111111111111111111111	·				<del></del>							
											-	
			· · · · · · · · · · · · · · · · · · ·									
i										1	1	

CLIENT SIGNATURE

OPERATOR SIGNATURE

\_\_LABOR \_\_\_INV. \_\_OTHER FOR INTERNAL USE ONLY



#### Well Development Record

m(u) - 10

No.									1110	$U^{-1}$	<u></u>
	Project N Project L Project N Technicia	ocation umber	De 120 32 G	10h, 01 N. Mo 486-000 Andio:	ignol .	(s-		- - -	Date: Weather: Page		7-17-06 Sun 95-
	Water Le	vel Data (fro	om top of casi	ng)		<del></del>					
	Total Well Static Wat Standing V (TD - DTW)	Depth (TD) ter Level (D Water Colun	TW)	<u>44</u> 20.7 23.7	7	43,08')	Screen L	Diameter (ind ength (feet) Diameter (i alled	ŕ	2 15 2 7-	/Z 14-06
	Well Purg	ing Data									
	CD* (2" - 0.1 Number of Total Gallo	me (gallons) 63, 25" - 0.25 f Volumes to ons to be Pu	5 4" - 0 653, 6" - be Purged	2" Scor 3.2 1.469) E 20	rexoù b		_ (gpm) _ Pump De _ Check Valv _ Drilling C	e?	-	and les	
	Surging a	nd Bailing									
Bari	Start Time Start Time Start Time Start Time		51 855 840	Fin Fin	ish Time: ish Time: ish Time: ish Time:	0912		Comments Comments Comments Comments	: :	2000	d 50 gailms
	Pumping	Parameters	5								
	Time	Depth to Water (feet)	Volume (gallons)	Pumping Rate (gpm)	Temp (°C)	Spec. Cond. (SCM ) enter units	pH (units)	Turbidity (NTUs)	Dis. Oxy. (mg/l)	ORP (mV)	Comments (color, odor, sheen)
	0947	27.03	23	2	76.1	1,750	6.48	OR			mydd, rnoder/sheen
	0954	27.12	40	7.	74.8	1780	6.80	260			
	0957	27.17	46	2	773	1810	6,97	24			
	0959	27.19	50	2	72.0	1850	7.02	14			cher prode
	1003	TD 4	3.08'		,		· n 300	m)/n			
1	l,						· · · · · · · · · · · · · · · · · · ·		l		QA/QC:

Started y read the Month Read of the Appell of the water observed to the profession of the profession



#### Well Development Record

mw-11

Project N Project L Project N Technicia	ocation umber	<u>lu</u> 3z	lph; or N Mo 486-0011 Androsk		Anabein		- - -	Date: Weather: Page	Su	7-17-06 n 950 1 of 1
Water Le	vel Data (fro	om top of casi	ing)							
Static Wat	Depth (TD) ter Level (DT Water Colum	ΓW)	21.78 23.3	)	44,41)	Screen L	iameter (incl ength (feet) Diameter (ir alled		8	5 Y2 14-00
Well Purg	jing Data									
C9* (2" - 0.1 Number of Total Gallo	me (gallons) 63, 25" - 0.25t f Volumes to ons to be Pu	5 4" - 0.653, 6" - be Purged			pump	_ (gpm) _ Pump De _ Check Valv _ Drilling C	e?	yes.	mdfas Ameri	(n
Surging a	ind Bailing									
Start Time Start Time Start Time Start Time	1050		Fin	ish Time:	1047		Comments: Comments: Comments: Comments:		Bailed	d 70 Gal
Pumping	Parameters									
Time	Depth to Water (feet)	Volume (gallons)	Pumping Rate (gpm)	Temp (°C)	Spec. Cond. ( ১ ←	pH (units)	Turbidity (NTUs)	Dis. Oxy. (mg/l)	ORP (mV)	Comments (color, odor, sheen)
1105	21.87	8					_			
1110	23,02	16	2	84.0	2460	7.19	on			
1115	23.38	28		833	2190	725	0K_			
1120	23.00	<u> </u>		827	2090	7.36	900			
1125	22.98	113		793	1870	74	600			
1131	<u>ः १७</u>	<i>5</i> 5		777	1250	7 47	85		L	
1136	2276	10"		77.2	1812	7.47	5.)			
1140	Collecti	V Campt	1 10 10	option	Moscosti	k.ej 7/18	is Elmin			
			-							
	<del> </del>			ŧ	l .					

Started pumping from I'all conform Raised and in lay of miles 200 . I'm it deans lowered pump to 28' 2 of completed when landricks 19

mw-11-6W-071766 01



#### UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

500 S. Kraemer Blvd., Suite 370 Brea, CA 92821

Tel:

714.985.3434

Fax:

714.985.3433

FIELD WAT	ER LEVE	EL AND PRODU	CTTHICK	NESS MEA	SUREMENI	S		
Project Nam	ie: Le	phi		Sampled B	y: CT,	KH.		
Date: 2 -3				Weather	SUMMY '	50'5		
Project No.:	3			Equipmen	t: Solinst 10	00 ft. Water Le	evel Meter	
Well	Time	Top of Casing	Depth to	Depth to	Product	Water Level	Corrected	Groundwater
Number	''''	Elevation	Product	Water	Thickness	Adjustment	Depth to	Elevation
Marrison		(ft)	(ft)	(ft)	(ft)	(0.80xTP)	Water (ft)	(ft)
HA-MV-5	0227	(.,,	()	25.32		(4.1.1.1.1.7.		
HA · MW-6	0736			24,49				
HA-MW-1	0740			24.49				
11A-MW-7	0449			25.09				
HA-MW-8	0752			25.20				
HA-MW-80	0754			25.63				
HA-MW-2	0805			25.41				
HAMW-9	0807			26.90				
HA-MW-4	082			26.90				
HA-MW-3	0827			28.11				
		·						
				<u> </u>				
				<u> </u>				
		<u> </u>						
	<u> </u>							
								1
	<b>├</b> ───			<del> </del>	<del> </del>			
L				<u> </u>	L	L	L	
COMMENT	c.							
COMMENT	<u>S.</u>							
							·	
	<del></del>							
						,		

WaterElevationCalcs.xls



UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Tel: Fax:

714,985,3434 714,985,3433

LOW FLOW SAMPLING LOG

Location (Site/I	Facility Name):	Delphi		_ Project #:	32486-004			
Well ID:	HA-MN	1-5	Date:	2-3-06	Initial Depth to Water:	25.35	Purging Device:	Low Flow Bladder
Job Number:			Start Time:	0913	_ _ Well Depth:	47.36	Tubing present in	well(?) N
Field Sampling	Crew:	C. Tslatsios	Finished Time:	.0948	Depth to top of screen:	32.3	Tubing Type:	1/4 inch Poly
		K. Hogan	Sample Time:	0953	Depth to bottom of screen:	47.3	_	
		• •			Depth of Pump Intake:	<b>39</b>		

Time	Depth to Water (from top of casing)	Pump Setting (ml/min or gal/min)	Purge Rate (ml/min or -gal/min)	Cumulative Purge Volume (liters or salions)	pН	5(A Conductivity	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees Celsius)	TDS (g/L)	ORP/eH (mv)	Comments
0918		240	240	1.2	6.9	0:197	201	2.08	21.7	1.5	87	
0923	25.35	1	1	2.4	7.02	0.197	113	0.64	21.73	1.3	.69	
0928	25.35			36	7.07	0.197	145	0.46	22.01	1.3	53	
0933	25.35			4. 8	7:09	0.197	122	0.43	22.13	1.3	42	
0938	25.36			5.0	7.11	0:178	82.	6, 38	22.08	1.3	32	•
0943	25.35			6.2	7.12	0.198	61.2	0.35	22.09	1.3	26	
6948	25.35	₩	7	7.4	7.13	0.178	49.9	0.34	22:07	1.3	18	
								-				

NA = Not applicable NM = Not measured

Comments:	EB_	020306		101	0
			_		



UNDERGROUND **ENGINEERING &** ENVIRONMENTAL SOLUTIONS

Tel:

714.985.3434

Fax:

714.985.3433

			LOW FLOW	SAMPLING LOG			
Location (Site/Facility Nam	ne): Delphi			32486-004	_		
WERLD. TIPL I'L	W-6	_ Date:	2-3-06	Initial Depth to Water:	24.49	Purging Device:	Low Flow Bladder
Job Number: 3249	0-004	Start Time:	10:35	Well Depth:	50.12	Tubing present in	_
Field Sampling Crew:	C. Tsiatslos	_Finished Time:	11:10	Depth to top of screen:	35.5	Tubing Type:	1/4 inch Poly
	K. Hog	_Sample Time:	11:13	Depth to bottom of screen:	50.5		
	•		·	Depth of Pump Intake:	• 42		

Time	Depth to Water (from top of casing)	Pump Setting (ml/min or -gat/min)	Purge Rate (ml/min or gal/min)	Cumulative Purge Volume (liters sagallons)	рН	Conductivity	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees Celsius)	TDS (g/L)	ORP/eH (mv)	Comments
1040	24.50	240	240	1.2	7.15	.159	116.0	3.01	21.63	1.0	55	Confinents
1045	24.50	1	1	2.4	7.14	. 159	110.0	0.99	21.64	1.0	42	
1050	24.50			3.6	7.14	.159	119.0	0.67	21.63	1.0	32	
1055	24.50			4.8	7.15	.159	111.0	0.54	21.65	1-0	21	
1100	24,50			60	7.15	-159	1060	0.45	21,64	1.0	13	
1105	24.50			7.2	7.16	.159	98.1	0.38	21.67	1.0	7	
H10	24.50	V		8.4	7.16	.159	79.0	0.37	21.67	1.0	2	
	<u> </u>											
						[ ]			1			

NA = Not applica NM = Not measu Comments:	red	HA-MW-6-02	collected as	n:15		/11/2
oonsnertts.	- Map 4	101 010	- nation at	11.15		



UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS Tel: 714.985.3434 Fax: 714.985.3433

<b>LOW FLOW</b>	SAMPLING LOG
Project #	SAMPLING LOG 32486-004

Location (Site/F	Facility Name):	Delphi		_ Project #:	32486-004	_	
Well ID:	HAMW	-7	_ Date:	2-3-06	Initial Depth to Water:	25.05	Purging Device: Low Flow Bladder
Job Number:			Start Time:	1155	Well Depth:	53.4	Tubing present in well? N
Field Sampling	Crew:	C. Tsiatsios	_ Finished Time:	1220	_ Depth to top of screen:	36.5	Tubing Type: 1/4 inch Poly
		K. Hogan	_Sample Time:	1225	Depth to bottom of screen:	<b>53.5</b>	
				-	Depth of Pump Intake:	<b>新州</b> 45	

Time	Depth to Water (from top of * casing)	Pump Setting (ml/min or	Purge Rate (ml/min or gal/min)	Cumulative Purge Volume (liters or gallons)	рН	5/A Conductivity •(un/cnt)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees Celsius)	TDS (g/L)	ORP/eH	Comments
1200	25.06	240	240	1.2	7.05.	0.158	. 136	1.43	21.36	1.0	42	
1205	25.05 25.05	1	1	2.4	7.05	0.158	130	0.80	21.41	1.0	24	·
120	25.05			3.6	7.06	0158	132	0.64	al.45	11.0	./3	
1215	35.05			4.9	7.06	0:159	114	0.53	21.45	1.0	. 3	
1220	25.05	7	4	5,0	7.07	0.160	110	0.47	21.40	1.0	-6	
	·											
					,							
								-				
												-
						,,,						

NA = Not applicable NM = Not measured		•			•		• .	.*,		. ,			•		
Comments:	 		 	 		 		 						 	 



UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Tel: Fax: 714.985.3434 714.985.3433

			LOW FLOW	SAMPLING LOG.		
Location (Site/Facility Name	e): Delphi		_ Project #:	32486-004		
11 - 14	ta / . O		2-3-06		-	
Well ID:	<u>W-8</u>	Date:	########	Initial Depth to Water:	_ 25.13	Purging Device: Low Flow Bladder
Job Number:		Start Time:	1355	_ Well Depth:	50.72	Tubing present in well? (y N
Field Sampling Crew:	C. Tsiatsios	Finished Time:	1440	Depth to top of screen:	36	Tubing Type: 1/4 inch Poly
	K. Hogan	Sample Time:	1445	Depth to bottom of screen:	51	
				Depth of Pump Intake:	44	-

airin thesapphe time

Time	Depth to Water (from top of casing)	Pump Setting (ml/min or gal/min)	Purge Rate (ml/min or sel/min)	Cumulative Purge Volume (liters or sallens)	pН	Conductivity (us/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees Celsius)	TDS (g/l-)	ORP/eH (mv)	Comments
14005	15.13	300	300	1.5	7.26	.163	Err	3.94	20.98	1.0	71	Commens
1420	25.14		1	3.0	7.24	.160	Err	5.52	20.90	1.0	65	
1425	<b>15.13</b>			4,5	7.25	-160	Em	3.697	20.93	1.0	60	
14 30	25.12			6.0	7.24	-160	En	2,75	20.94	1.0	59	
1435	25.13	1.		7.5	7.24	.159	ar	2.78	21.0	1.0	57	
1440	25.11	1	V	9.0	7.23	-160	Em	1.78	2100	1.0	54	
ļ		-										
<u> </u>	<u> </u>											
ļ												
												1000
<b></b>										····		

NA = Not applicable

comments: Tyrbidity error. Water was notically brown sitty, but at the end of rurging, mater



UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

Tel: Fax: 714.985.3434 714.985.3433

			LOW FLOW	SAMPLING LOG			
Location (Site/Facility Name	e): Delphi		Project #:	32480-004			
Well ID: HA-M	t ed	Date:	2-3-06	Initial Depth to Water:	25	Purging Device: Low Flow Bladder	
Job Number:		Start Time:	1507	_ Well Depth:	77.04	Tubing present in well 700 N	_
Field Sampling Crew:	C. Tsiatsios	Finished Time:	1541	Depth to top of screen:	73.75	Tubing Type: 1/4 inch Poly	
	K. Hogan	Sample Time:	1545	_ Depth to bottom of screen:	_78.75		
	•		• •	Depth of Pump Intake:	74.5		

Time	Depth to Water (from top of casing)	Pump Setting (ml/min or gal/min)	Purge Rate (ml/min or oal/min)	Cumulative Purge Volume (liters or gellons)	рН	Conductivity (us/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees Celsius)	TB\$ (9/L)	ORP/eH (my)	Comments
15/2	<b>5.5</b>	300	300	1.5	7.49	.213	en	3.07	20.72	1.4	46	Comments
1517	26.60	(	I	3.0	7.46	.212	620.0	1.09	20.65	1.4	31	
622	26.60			4.5	7.49	.216	694.0	4.92	20.00	1.4	24	
15 36	29.91			6.0	7,48	-213	565.0	4.28	20.78	1.4	16	
1541	30.97	V	y	7.5	7.48	.213	5320	408	20.76	1.4	H	
									1			
	<u> </u>											
					1					F		
<u> </u>												
									-			

NA = Not appli NM = Not mea:	cable sured						
Comments:		<del></del>	 				 
			 	<del></del>	 	•	



UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS
Tel: 714.985.34

Fax:

714.985.3434 714.985.3433

#### LOW FLOW SAMPLING LOG

Location (Site/Facility Name):	Delphi		Project #:	32480-664		
Well ID: HA - M	W-9	_Date:	2-3-06	Initial Depth to Water:	25.31	Purging Device: Low Flow Bladder
Job Number:		Start Time:	1b 10	Well Depth:	55.11	Tubing present in well? N
Field Sampling Crew:	C. Tsiatsios	Finished Time:	1625	Depth to top of screen:	10	Tubing Type: 1/4 inch Poly
	K. Hogan	Sample Time:	1630	Depth to bottom of screen:	<u> </u>	
				Depth of Pump Intake:	47	

Time	Depth to Water (from top of casing)	Pump Setting (ml/min or pal/min)	Purge Rate (ml/min or gol/min)	Cumulative Purge Volume (liters or gallons)	р <del>Н</del>	Conductivity (us/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (degrees Celsius)	TDS (g/L)	ORP/eH (mv)	Comments
1615	25.32	240	240	1.2		0.178	439	4.67	20.58	1.1	46	
1620	25.34	240		2,4		0.179	412	0.96	20.60	1.1	27	
1625	25.34	रूप०	V	3.6	7.20	0.179	391	0.66	20.60	(-)	17	
									!			
				-4-								
			•									<del> </del>
				<u></u>								
	•	ļ. <u>.</u>										
										· · · · · · · · · · · · · · · · · · ·		

NA ≃ Not applical NM = Not measur	ble red			
Comments:		· · · · · · · · · · · · · · · · · · ·	 	 

# MEMORANDUM

RECEIVED

OCT 1 0 2006

# Haley & Aldrich, Inc.

# **CITY OF ANAHEIM**

DATE:

October 6, 2006

TO:

Glenn P. Androsko-Haley & Aldrich

FROM:

Public Works-REAL PROPERTY DIVISION

SUBJECT:

**Encroachment License** 

Enclosed you will find a recorded copy of the Encroachment License for your file.

If you should have any questions, please feel free to contact the undersigned.

Sincerely,

Ron Pickett

714-765-5186

#### PLEASE COMPLETE THIS INFORMATION

**RECORDING REQUESTED BY:** 

City of Anaheim

AND WHEN RECORDED MAIL TO:

City Clerk City of Anaheim P.O. Box 3222 Anaheim, CA 92803



EXEMPT - GOVERNMENT AGENCY Per Gov't Code 6103

# This Document was electronically recorded by City of Anaheim

Recorded in Official Records, Orange County Tom Daly, Clerk-Recorder

NO FEE 2006000652197 04:30pm 09/29/06

THIS SPACE FOR RECORDER'S USE ONLY

TITLE OF DOCUMENT:

ENCROACHMENT LICENSE (ENC2006-00083)

# ORIGINAL

# 

#### **ENCROACHMENT AGREEMENT**

(ENC2006-00083)

THIS LICENSE is issued by the

CITY OF ANAHEIM, a chartered city and municipal corporation, hereinafter referred to as "ANAHEIM,"

T O

DELPHI AUTOMOTIVE SYSTEMS, LLC. a Delaware limited liability company, hereinafter referred to as "LICENSEE."

#### **RECITALS**

THIS LICENSE is granted by ANAHEIM in contemplation of the following recitals:

WHEREAS, ANAHEIM owns an easement, right-of-way, or fee title to that property
described on Exhibit "A" attached hereto and incorporated herein by reference (hereinafter
"PROPERTY"); and,

WHEREAS, LICENSEE wishes to utilize a certain portion of PROPERTY for the purposes particularly described in Exhibit "B" attached hereto and incorporated herein by reference (hereinafter "ENCROACHMENT"); and,

WHEREAS, LICENSEE is the owner in fee title of that certain real property described in Exhibit "C" attached hereto and incorporated by reference herein; and

WHEREAS, the proposed ENCROACHMENT, if properly installed, maintained and removed will not interfere with the present use of PROPERTY by ANAHEIM or the public generally.

NOW, THEREFORE, in consideration of the foregoing and in the exercise of ANAHEIM'S police power and its ownership powers in PROPERTY, the following LICENSE is granted subject to the following conditions.

- 1. LICENSEE does hereby represent that each of the representations set forth in the foregoing Recitals and LICENSEE'S application for this LICENSE is true.
- 2. ANAHEIM does hereby grant to LICENSEE a LICENSE, personal to the LICENSEE, to enter upon and use PROPERTY of ANAHEIM for the purpose of constructing and

///

maintaining ENCROACHMENT on that portion of PROPERTY in the manner and at the location herein described.

- 3. LICENSEE agrees that ENCROACHMENT shall be placed at the location designated in LICENSEE'S application, in strict accordance with specifications set forth in LICENSEE'S application, and in strict accordance with the conditions set forth in this LICENSE.
- 4. LICENSEE hereby agrees to, and does hereby, indemnify and hold ANAHEIM, its officers and employees harmless from any liability for any damage, claims, or injury of any kind to any person or property by reason of the placement of ENCROACHMENT by LICENSEE upon PROPERTY or any negligent acts by LICENSEE or others for whom LICENSEE is responsible, excluding therefrom only liability arising from the sole negligence of ANAHEIM. This indemnity shall survive the termination of this LICENSE.
- 5. LICENSEE agrees to so maintain ENCROACHMENT so as not to cause any interference whatsoever with the use of PROPERTY by ANAHEIM and to maintain such clearances required by law or ordered by ANAHEIM from other ANAHEIM or other private or public utilities. LICENSEE agrees to comply with all applicable State and local laws in the installation, operation, maintenance and removal or destruction of ENCROACHMENT. LICENSEE shall remove said ENCROACHMENT upon termination of this license or discontinuance of the use of ANAHEIM property for the ENCROACHMENT.
- 6. ANAHEIM reserves the right to revoke all privileges granted by this LICENSE upon giving LICENSEE written notice of cancellation of this LICENSE; provided, however, ANAHEIM will endeavor to give thirty (30) days notice of cancellation when possible. Upon such written notice being given by ANAHEIM to LICENSEE, LICENSEE shall remove ENCROACHMENT from PROPERTY and restore PROPERTY to its unobstructed and preexisting condition. LICENSEE hereby irrevocably grants to ANAHEIM the right to remove ENCROACHMENT at LICENSEE's expense in the event LICENSEE should fail to remove ENCROACHMENT as required herein.
  - 7. LICENSEE agrees that the use of the portion of PROPERTY for

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

///

ENCROACHMENT will in no way create any right whatsoever in LICENSEE which is adverse to any rights of ANAHEIM or the public; that the rights of LICENSEE are the rights herein given by this LICENSE and no other rights whatsoever; that no contractual relationship is entered between the parties; and that LICENSEE'S rights are not coupled with any interest.

- 8. Any privilege conferred by this LICENSE is personal to the LICENSEE and is not assignable or transferable.
- 9. ANAHEIM may require LICENSEE to cause this LICENSE to be recorded in the Office of the County Recorder of the County of Orange; provided, however, that any such recordation shall serve only as notice to successors or assigns of LICENSEE of the limitations and burdens of the LICENSE and shall not extend the benefits of the LICENSE to any successors or assigns of LICENSEE.
- 10. LICENSEE acknowledges that this LICENSE, if granted by the Director of Public Works (Director), is granted subject to the limitations imposed in the Resolution of the City Council wherein the authority to issue such LICENSE is delegated to the Director.
- 11. LICENSEE shall provide to ANAHEIM a bond in an amount determined by the Director to be sufficient to guarantee LICENSEE's performance of all of LICENSEE's obligations under this LICENSE.

19 | /// 20 | /// 21 | /// 22 | /// 23 | /// 24 | ///

25 /// 26 ///

27 | ///

28

12. Unless a different date is provided in this LICENSE, the effective date of this

	1	LICENSE shall be the Date of Acceptance by LICENSEE set forth below.
	2	OTTY OF ANIATIEIA
	3	CITY OF ANAHEIM, a municipal corporation
	4	By Bullio Works (City Engineer
	5	Director of Public Works/City Engineer
	6	I hereby accept this License and agree to be bound by all of the terms and condition of said License.
	7	Date of Acceptance: 7/11, 2006
	8	James Hut
	9	DELPHIAUTOMOTIVE SYSTEMS, LLC
	10	"LICENSEE"
	11	ADDDOWED AS TO FORM: BARBARA BURNSTEEL
TORNE) LE SEE SEE	12	NOTARY PUPLIC, STATE OF MI COUNTY OF OAK! AND
MAN AND AND AND AND AND AND AND AND AND A	13	By Cristing I. Talley  MY COMMISSION EXPIRES Dec 15, 2010  ACTING IN COUNTY OF Oak (5, 10)  Low Low L Sumstell, Notae
第2000 SE	14	Cristina L. Talley  Senior Assistant City Attorney
HOUSE SE	15	Date: 7/13/CC
OFFICE O	16	Date
	17	
	18	
	19	
	20	
	21	
	22	
	23	
	24	
	25	
	26	
	27	
	28	62304.3

## **EXHIBIT A**

#### **PROPERTY OF ANAHEIM**

That certain right-of-way on North Knollwood Circle north of Woodland Drive and adjacent to 1240 and 1250 North Knollwood Circle.

#### **EXHIBIT B**

#### **ENCROACHMENT**

The installation of two (2) ground water monitoring wells identified as well sites MW-10 and MW-11 on the attached site plan. MW-10 and MW-11 will be 10' west of existing curb pursuant to street improvement plan No. 10969 and 10970.

The Licensee's encroachment shall maintain a minimum twelve (12) inch vertical separation and a minimum five (5) feet horizontal separation from existing facilities.

## **EXHIBIT C**

#### PROPERTY OF LICENSEE

Parcel 1 in the City of Anaheim, County of Orange, State of California, as per map filed in book 50, page 21 of Parcel Maps, in the Office of the County Recorder of said County.

H.AI	ALEY DRI	Y& CH					Т	EST	BORING REPORT	Г		ı	Во	rir	ng	No	).	HA	\-M	W-	1
Clie	ject: ent: ntrac		Delpl	ner Ana hi Cor Ameri	porati		Oper	rations	1201 N. Magnolia			Sh Sta	art:	: N	o.: A	l of					
				Ca	sing	Sampl	er	Barrel	Drilling Equipment ar	nd Procedures			nish iller			ugi	ust .	11,	۵00۰	,	
Тур	е				-	-		-	Rig Make & Model: -			Н8	kΑ Ι	Re	p.:(	C. <b>C</b>	Carr	ick			
Insid	de D	iame	ter (in	.)	_	_		_	Bit Type: -				eva		n						
Han	nmer	r Wei	ght (lt	o.)	_	_		_	Drill Mud: - Casing: -				atur cat		1						
Han	nmer	Fall	(in.)		_	_		-	Hoist/Hammer:					N E -	-						
	1			-}	E	€	<u>                                   </u>	1 .				Gra	vel		San	d		F	ield	Tes	t
Depth (ft.)	SPT*	PID (ppm)	Sample No.	Sample Depth (ff.)	Well Diagram	Elev./Depth	USCS Symbol	(De	/isual-Manual Identification ar nsity/consistency, color, GROUP N re, odor, moisture, optional descrip	NAME, max. particle size*	*, tion)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -					1	0.3	SM	Looso	-CONCRETE	E-						40	60				
_		67.2	14:30	1.0		0.3	SM		brown, silty fine SAND, dry to n		e.					40	60				
_			14:35	4.5			Sivi	Color	mange to dark brown, with trace C	JLA I											
- 5 - - -				5.0																	
- - 10 -	<del>12</del> 15	62.2		- 10.0 10.3		10.5	SM ML		ray-brown, silty fine to medium S		lor					30					
- -	17							1. 1. 1	aminations.												
- 15 -	9	49.3		15.0			MH- CL		into dark gray-brown and red-bro ions, iron staining, lenses of light								100				
<b>-</b>	10 14			15.3		15.5	SM	Dark g	ray-brown, silty fine SAND.												
- - - 20 -		1.7				18.0	SP	Dark g no stru	ray-brown to tan, poorly graded, f cture.	fine to coarse SAND, moi	st,										
	+	1		r Leve			(6)	+	Sample Identification	Well Diagram			5	Sur	nm	ary					
D	ate	Ti	1110	Elapse ime (h	ۍ√ Bc	Depth ottom B casing of	ottom	): Water	1	Riser Pipe Screen Filter Sand Cuttings	Ove Roo	ck (	Cor		•						
									U Undisturbed Sample S Split Spoon G Geoprobe	Grout Concrete Bentonite Seal	San	•		No	).	I	IA-	- <b>M</b> \	<b>W</b> -1	l	
Fie	eld Te	ests:			Dilata					city: N-Nonplastic, L-Lorength: N-None, L-Low								/ <u>-</u> \/_	rv ⊔	iah	
*SF				s per 6	in.	**Ma	aximun	n particle	size (mm) is determined by direct on visual-manual method	observation within the limit	ations	of	sam	ple	r siz	ze (i	n mi	llime	ters)		
		HOLE	. JUII	<u>iuciilli</u>	<u>ıcali0l</u>	ıı anu pe		ayes Da	iseu on visual-manudi memoo	as of the osos as prac	แบบน	IJΥ	па	uC y	Ot I	~iu	ı ıcil	<u>, 1110</u>	,.		

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN,GLB USCSTBC3,GDT G:\\32486\GINT\\32486\_LOGS.GPJ Oct 28,05

H.AI	ALEY DRIC	& CH					Т	EST BORING REPORT	F		No	).	324	186	IA-N	MW	-1	
			o 🕝		E	£	<u>0</u>		$\vdash$	avel	П	Sar	d			ield	Tes	st_
h (ft.)		ppm	ole No	ole n (fft.)	iagra	/Dep	Symb	Visual-Manual Identification and Description	Coarse	ē.	arse	% Medium	e e	Fines	ncy	ness	ity	th
Depth (ft.)	\$PT*	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	ပိ %	% Fine	% Coarse	% Me	% Fine	% Fir	Dilatancy	Toughness	Plasticity	Strenath
20 -	<del>12</del> 15			<del>20.0</del> 20.3		20.5	CL	√3 inch layer of dark gray CLAY, moist, no odor.	E					100				
	17			20.0		20.8	SM	\(\sigma\) inch layer of dark gray silty fine SAND.  Dark gray CLAY, laminated, moist, no odor.					20	80 100			М	Н
						21.0								100				
						24.0												
25 -	34	10.0		25.0 25.3	-		SM	Dark gray-brown to brown, silty fine SAND, moist, no odor, no structure.					40	60				
	35																	
	<del>20</del>	4.9		28.0			ML	Gray to brown mottled SILT, moist, no odor, no structure.						100			L	L
	24 29			28.3		28.5	CL	Gray-brown CLAY, mottled with iron stain, moist, laminated, no odor.									Н	Н
30 -		0.6					MH-	Dark brown SILT with gray CLAY lenses, moist, no odor, no						100			L	М
	15 20	0.0	-	31.0 31.3			CL	structure.						100			_	IVI
	22			31.3														
	23			33.5														
35 -	25 35			-		34.0	SP	Brown to gray-brown, loose, poorly graded fine SAND with silt, wet, no odor, no structure, dark gray clay lense.					80	20				
	00			00 5														
	30			36.5				Fine to medium SAND.										
	40					37.5	SM- ML	Brown, medium stiff, SILT with sand to silty SAND, moist to wet.					50	50				
40 -						39.0	SP	Dark gray-brown, poorly graded fine to medium SAND, wet, no odor, no structure, occassional coarse grains.			10	30	50	10				
	<del>29</del> 31			40.5 40.8														
	37																	
	32 43			42.5														
	47																	
45 -																		
.0	24			45.5														
	30 35				6 0 0 0 0 0													
					12.7.7.	47.0		Bottom of exploration at 47 feet.										

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\32486\GINT\32486\_LOGS.GPJ Oct 28, 05

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

Boring No. HA-MW-1

Proje Clier Con	nt:		Delp!	er Ana hi Cor Ameri	porati	on			1201 N. Magnolia		;	File She Stai Fini	et N rt:	No.:	1 o Aug	ust				
				Ca	sing	Samp	ler	Barrel	Drilling Equipment								Ian			
Туре	)			N	ΙA	S		-	Rig Make & Model: Truck		-			ер.:'	TST	7/LI	<u> </u>			
Insid	le Di	amet	er (in	.)	-	1 1/	2	-	Bit Type: - Drill Mud: None			Elev Dati		on						
Ham	mer	Weig	jht (Il	o.)	1	140		-	Casing: Rotary HSA			Loc	atio N							
Ham	mer	Fall (	in.)		-	30		-	Hoist/Hammer: Cat-Head	Safety Hammer			E							
Depth (ft.)	SPT*	PID (ppm)	Sample No.	Sample	Well Diagram	Elev./Depth	USCS Symbol	(De	/isual-Manual Identification a	NAME, max. particle size	**,	Coarse	Coarse	Sar Wedium %	Fine	% Fines		Toughness	Plasticity Test	
О –	SF	Ы	Sa	Sa	We	Ŭŧ	Sn.	structu	re, odor, moisture, optional desc		ation)	% >	% %	%	%	%	iii	Ĭ	Pla	(
		ND		0.0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		SM		CONCRET 0-5 feet hand at m dense, gray-brown, moist, silt	igered.					75	25	R		L	I
		0.3				3.0	MI	At 3 fe	et medium, stiff, dark grayish br	rown, moist, SILT with san	nd	+			25	75	_			١
						4.0	SM	` ′	m dense, light brown, silty SAN	D (SM), moist, no odor.		+			70	30			N	I
5		_		5.0	-	5.0	MI	Stiff. d	ark brown, sandy SILT (ML), fi	ne sand, no odor, moist,		+			45	55	$\rightarrow$		$\vdash$	_
			12	6.5		5.5	SP	Dense,	dark brown, poorly graded SAN r, moist.		d,	T			70				П	_
				6.5	-		SP	Dense,	poorly graded SAND (SP).						95	5				_
			18	8.0		7.0	ML CL		ark brown, sandy SILT (ML), p	lastic, laminated.					10	90	1	М	M	ľ
				-		8.0	MI	_ Stiff, o	live-brown, sandy SILT (ML), r	no odor, moist.					30	70				_
- 10 –			18	9.5 11.0	_															
-			15	11.0 12.5	_	11.5	SP	- At 11.	5 feet, dense, red-gray, moist, fi	ne, poorly graded SAND v	vith				80	20				
			12	12.5	-		SM		,											
-				14.0	-			rine sa	ınd, no odor, moist.											
- 15 - -			18	14.5 16.0	_		SP	At 15 f	eet, dense, red-gray, moist, finer.	, poorly graded SAND (SF	P),				100					
						17.5														
_		19.2		19.5			SP	- Poorly	graded SAND with silt (SP-SM)	, fine sand, no odor, mois	t,				85	15				
20 -			Wate	r Leve	Data	a a			Sample Identification	Well Diagram			Sı	ımm	ary					-
Da	ate	Tir		Elapse		Depth ttom E	(ft.) Sottom	.	O Open End Rod	Riser Pipe Screen	Ove	rbui	der	ı (lin	. ft.	)				
		"	T	ime (h	r.) of C	asing o	f Hole	Water	T Thin Wall Tube U Undisturbed Sample	Filter Sand Cuttings	Roc Sam			d (lir	n. ft.	)				
									S Split Spoon G Geoprobe	Grout  Concrete	Bor			0.	ŀ	IA-	-M\	<b>N</b> -2	2	_
	ld Te				 Dilataı			1	·	Bentonite Seal										_

Boring No. HA-MW-2 **TEST BORING REPORT** File No. 32486 Sheet No. 2 of 2 Gravel Sand Field Test Elev./Depth (ft.) Sample No. & Rec. (in.) **USCS Symbol** Well Diagram PID (ppm) Sample Depth (ft.) Visual-Manual Identification and Description % Medium Toughness Depth (ft.) % Coarse Coarse Plasticity % Fines Dilatancy Fine % Fine Strength (Density/consistency, color, GROUP NAME, max. particle size\*\* SPT structure, odor, moisture, optional descriptions, geologic interpretation) % % 18 21.0 SM some mica minerals. 4 24.5Same as above, 8 inches of black with sweet smell, moist. - 25 18 26.0 28.0 Water at 29.3 feet. SP 29.52 98 Dense, poorly graded SAND (SP), medium sand, no odor, wet to 18 31.0 saturated, trace fines. 31.0 18 32.5 31.5 CL Stiff, olive-brown, sandy CLAY, fine sand, no odor, wet, weakly 45 55 laminated, thin red mottled oxidation. 32.5 32.5SP Dense, brown, poorly graded SAND (SP), medium sand, no odor, 100 18 34.0 34.0ML Stiff, olive-brown, sandy SILT (ML), fine sand, laminated, no odor, 40 60 N M L 34.0 moist to wet, low plasticity, thin interbedded fine sand lenses. 18 35.535 35.5 14 37.0 Dense, brown, poorly graded SAND (SP), medium sand, no odor, wet, trace coarse sand, trace fines. 37.0 37.0 SP 10 90 2 38.5 38.5 18 40.0 40.0 TD at 41 feet Screen 25-40 feet Surge and bar settle 1.5 feet 4 bags of sand 2 bags medium chips Top sand 24 18 bags well grout

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT

Oct 28, 05

G:\32486\GINT\32486\_LOGS.GPJ

SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

rich, Inc.

HA-MW-2

HA AL	LEY DRIC	Æ CH						Т	EST	BORING REPOR	RT		ı	Во	rir	ng	No	).	ΗA	\-M	W-	3
Proj Clie Con		or:	Form Delpl Test	hi C	Corpo	oratio		/ Oper	rations	1201 N. Magnolia			Sh St	art:	t No	o.: A	1 o		11, 2			
					Casi	ng	Samp	ler	Barrel	Drilling Equipmen	and Procedures			nish illei			Lug	ust .	11, 2	2003	)	
Туре	9				_		-		HSA	Rig Make & Model: Truc	k HSA						C. <b>(</b>	Carr	ick			
Insid	le Di	ame	ter (in	1.)	_		-		4 1/4	Bit Type: -				eva		n						
Ham	nmer	Wei	ght (II	b.)	_		-		-	Drill Mud: - Casing: -				atur ocat								_
	nmer		•		_		-		-	Hoist/Hammer:					N E -	-						
	1 1	_		<del>-</del>  -		E	<b>£</b>	<u>_</u>	1 .				Gra	vel	,	San			F		Tes	t
(ff.		(mdc	e Š	ا ا	<u>∓</u>	agraı	Depl	Symbol	\	/isual-Manual Identificatior	and Description		ırse	0	Coarse	Medium	a)	Se	رخ دخ	ssəu	£	£
Depth (ft.)	SPT*	PID (ppm)	Sample No.	משל ל	Depth (ft.)	Well Diagram	Elev./Depth	USCS (	(Dei	nsity/consistency, color, GROL re, odor, moisture, optional des	P NAME, max. particle size*	*,	Coarse	% Fine	So	Mec	% Fine	Fines	Dilatancy	Toughness	Plasticity	Strength
_ <u>_</u>	S	₫	တိ «	δÙ	റ് 💍	×	□€	S)	Structu	-		ilion)	%	%	%	%	%	%	ቯ	۴	Ĕ	<u>s</u>
O					).5	4	0.3	SP	Loose,	ASPHA brown, poorly graded fine to a	LT nedium SAND with gravel, o	dry		20	10	20	30	20				
-				'	,.5	4	Δ		to mois	st, no odor.												
-																						
_					3.0		3.0	SP	Coarse	, gray-brown, poorly graded fi (CH), moist, no structure, no c	ne to medium, SAND with c	lay				10	70	20				
-		5.5		1 4	1.0		4.0	SM	Mediu	n dense, brown, silty fine SAN	ID, moist, no odor, no			5			30	65				
- 5 -									structu	re, with trace gravel, micaceou	s											
	7		9:07	- 5	5.5																	
=	7				5.8																	
_	8 12		9:10	+ 7	7.0																	
_	13		0.10		7.3																	
	18 12		9:15	- 6	3.5		8.5	ML	Stiff o	ray-brown, SILT with very fin	e sand micaceous moist					$\vdash$						
_	13		3.13		3.8				Juii, 8	ray brown, billi with very in	suiti, inicaccous, moist.											
- 10 -	15 11	2.5	9:19	1.	0.0		9.5	SM														
	12		9.19		0.3																	
	15																					
-																						
_																						
_																						
- 15 -	10	7.6	9:25		4.8		15.0	MH-	Stiff, n	nottled gray-brown to brown Sl	I.T with some clay, moist			$\vdash$					100			
_	11 15			1	5.0			CL		tion, no odor.	,											
=							17.0	SP		light yellow-brown to tan, poo	rly graded fine to coarse						40	60				
-									SAND	, moist, no odor, no structure.												
- 20 -			Wate	er I	evel	Data	<b> </b>			Sample Identification	Well Diagram				Sur	nm	arv					=
D.	ate				psed		Depth		<b>)</b> :	O Open End Rod	Riser Pipe	Ove	erbi					)				
Di	ale	''			e (hr.	√ Bo	ttom E asing o	ottom f Hole	Water	T Thin Wall Tube	Screen Filter Sand	Roo				•		•				
8/11	/2005	11	1:00						33.83	U Undisturbed Sample	Cuttings Grout	Sar										
										S Split Spoon G Geoprobe	Concrete	Во	rin	ıg l	No	).	ŀ	IA-	M۱	<b>W</b> -:	3	
Fie	eld Te	sts:				ilatar				low, N-None Plas	Bentonite Seal   Sticity: N-Nonplastic, L-Lo						Hig	ıh				
*SP			er blow		er 6 ir	٦.		aximun	n particle	size (mm) is determined by dire		ations	of of	sam	nple	er siz	ze (i	n mi	llime	ters)	igh I.	
	Ī	Note	: Soil	idei	ntific	atior	n and p	ercent	ages ba	sed on visual-manual meth	nods of the USCS as prac	ticed	by	/ На	ıley	<b>&amp;</b>	Ald	rich	, Inc	· ·		

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN,GLB USCSTBC3,GDT G:\\32486\GINT\\32486\_LOGS.GPJ Oct 28,05

H. AI	ALEY DRIC	& H					Т	EST BORING REPORT	F	Bori ile l Shee	No		324	86		MW.	-3	
Depth (ft.)	SPT*	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	Sam medinm %		% Fines	Dilatancy	Tonghness e	Plasticity al	Strength
- 20 - - -	14 17 22	8.4	9:34	20.0 20.3		20.3	SM	Medium stiff, dark brown to dark gray-brown mottled, silty fine SAND, laminated, moist, no odor.					30	70				
- - 25 - -	12 16 33	2.8	9:45	24.8 25.0		25.0	SP	Loose, light yellow-brown to tan, poorly graded fine to medium SAND, moist, no structure, no odor.				40	60					
-						29.0	MII	Medium to coarse, possible perched zone.			60	20	20	100			NA	
- 30 - - -	15 20 11 12 14 12		10:00	29.8 30.0 30.5 32.0		30.0	MH- CL ML- CL	Dark gray-brown and brown mottled SILT, laminated, no odor to clay, finely laminated.  Medium dense, dark brown to brown mottled, SILT with some fine sand, micaceous, moist to wet, high dry strength.					20	80			М	Н
-	13 15 9 12			33.5		33.5	CL	Dense, light gray-brown CLAY with silt, mottled, laminations, moist.						100				Н
- 35 -	- 14 		10:20	35.8 36.0 36.5 38.0		35.0	ML	Medium dense, dark brown to gray-brown, SILT with some fine SAND, micaceous, moist to wet.					40	60	R			M
- 40 - - - -	21 29 34 25 30 31 23 32 35 32 50/5	2.5		41.0 42.5 44.0	0.00 d	40.0	MH-CL SP	Dense, dark gray-brown, SILT, high plasticity, laminated, moist, saturated.  Loose, light gray-brown, poorly graded, fine to medium SAND, wet, no odor, some coarse grains.			5	45	50	100			Н	
– 45 ·					- <u>m· · · · · · · · · · · · · · · · · · · </u>	45.0		-Bottom of exploration at 45 feet										

USCS\_TB3 USCSLB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G\32486\GINT\32486\_LOGS.GPJ Oct 28, 05

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

Boring No. HA-MW-3

HA AL	LEY DRI	CH					Т	EST	BORING REPOR	RT			Во	rir	ng	No	).	HÆ	\-M	W-	4
Proj Clie Con			Delph	er Anal i Corp Americ	orati		y Oper	ations	1201 N. Magnolia			Sł St	art:	t N	o.: <i>A</i>	1 of	486 f 2 ust 1	15,			
				Cas	ing	Samp	ler	Barrel	Drilling Equipment	and Procedures			nish ille			_	ust 1 Iric,			)	
Туре	)			N.	A	-		-	Rig Make & Model: Truc	k						ĹK/					
Insid	le Di	ame	ter (in.	) -		-		_	Bit Type: -				eva atur		n						
Ham	mer	Wei	ght (lb	.) 1		140	,	-	Drill Mud: None Casing: Rotary HSA			_	cat		1						
Ham	mer	Fall	(in.)	-		30		-	Hoist/Hammer: Cat-Head	l Safety Hammer				N E	-						
t.)		(F	Š (-		ram	th	Symbol	\	isual-Manual Identification	and Description			avel		San E	-			ield g	Tes	t
Depth (ft.)	SPT*	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth	USCS Syr	(Dei	nsity/consistency, color, GROU e, odor, moisture, optional des	P NAME, max. particle size criptions, geologic interpreta	**, ation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -		ND			Δ Δ				-CONCRE -0-5 feet hand n density, dark brown, silty SA	ETE- augered-						80	20				
								Mediur odor, n		AND (SM), poorly sorted, no	)										
							SM									50	50				
_								Dry so	1.												
- 5 -				5.0 6.5	-																
				6.5	-	6.5	SP SM		n density, brown, SP poorly gr n density, dark brown, silty SA							90 80					
				8.0		7.5	ML	odor, n								40					
				8.0 9.5	-																
– 10 –		ND		9.5 11.0	-																
					-																
– 15 –		ND		14.5 16.0			SP- SM		nsity, tan, (SP-SM), poorly gr ce coarse sand.	aded SAND with silt, no ode	or,				15	85					
- ·					-																
			_																		
- 20 -	_		Moto	19.5	Dot				Cample Identification	Well Diagram				· · · ·			_				
D.	ate	T:		Level	k	Depth		):	Sample Identification O Open End Rod	Well Diagram  Riser Pipe	Ove	erb			mm (lin		)				
	ale	11		me (hr	.√Bo	asing c	Sottom of Hole	Water	T Thin Wall Tube	Screen Filter Sand Cuttings	Roo	ck (	Cor		•						
									U Undisturbed Sample S Split Spoon	Grout Concrete	Sar <b>Bo</b>			No	).	F	IA-	M	W-4		
Fie	ld Te	sts:			)ilataı					Bentonite Seal   sticity: N-Nonplastic, L-Lo	ow, M	l-M	ediu	ım,	H-	Hig	h				
*SP				per 6 i	n.		aximun	n particle	dium, H-High Dry size (mm) is determined by dire sed on visual-manual meth		tations	s of	san	nple	er siz	ze (ii	n mil	llime	ters)	ign I.	=
		NOTE:	. <u> </u>		ati0lمر	ıı and D	<del>ei cent</del>	<u>ayes Da</u>	<del>seu on visual-manual metr</del>	ious oi liie osos as prac	,ucea	ıΝy	<u>, ща</u>	ue)	<u>,                                    </u>	nia!	<u>ıcn</u>	<u>, mc</u>	<i>,</i> .		

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN,GLB USCSTBC3,GDT G:\\32486\GINT\\32486\_LOGS.GPJ Oct 28,05

HA AI	ALEY DRIC	& CH			ML Low density, sandy SILT (ML), olive-brown, no odor, moist, weakly laminated.  ML Medium density, olive-brown, sandy SILT (ML), poorly sorted, no odor, moist, weakly laminated, with some clay.  SP Low density, gray-brown, poorly graded SAND, no odor, moist.  90 10 10 90  -No recovery-  SP Low density, gray-brown, poorly graded SAND (SP-SM), no odor, wet.  34.0 SP Low density, gray-brown, poorly graded SAND (SP-SM), no odor, wet.  SP Low density, gray-brown, poorly graded SAND (SP-SM), no odor, wet.  SP Low density, gray-brown, poorly graded SAND (SP-SM), no odor, wet.  SP Low density, gray-brown, poorly graded SAND (SP-SM), no odor, wet.  SP Low density, gray-brown, poorly graded SAND (SP-SM), no odor, wet.	File No. 32					186							
(ft.)		(mda	e No.	(ft.)	agram	Depth	Symbol	Visual-Manual Identification and Description	Gra	avel		Sar	nd		F	ield		
Depth (ft.)	SPT*	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Di	Elev./ (ft.)	nscs	(Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	% Cos	% Fine	% Co	% Me	% Fin	% Fin	Dilatan	Tough	Plastic	Strength
- 20 -				21.0			ML	Low density, sandy SILT (ML), olive-brown, no odor, moist, weakly laminated.				10	90		N	L	L	L
- 25 -				23.0 24.5 24.5 26.0														
-				26.0 27.5			ML	Medium density, olive-brown, sandy SILT (ML), poorly sorted, no odor, moist, weakly laminated, with some clay.										L
-				27.5 29.0			SP	Low density, gray-brown, poorly graded SAND, no odor, moist.			10		10					
- 30 -				29.0 30.5				-No recovery-										
-				32.0 33.5														
- 35 -				35.0 35.0 36.5		34.0	SP	Low density, gray-brown, poorly graded SAND (SP-SM), no odor,				10	90				L	L
-				36.5 38.0		36.0	SM	SM auger.				50	35	15			L	L
-				38.0 39.5			SP					10	90					
- 40 - -																		
						41.0		#212 Sand at 4 bags 0.014 slotted screen 18 gallons discharge Sand surge 1.5 feet										
								mm) is determined by direct observation within the limitations of sampler size.							IA-N			

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\32486\GINT\32486\_LOGS.GPJ Oct 28, 05

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

Boring No. HA-MW-4

AI	ALE DR	Y& CH				,	***************************************	7	EST	во	RING F	REPO	RT				Вс	 o <b>ri</b> r	ng	No	٠.	HA	\-M	IW-	5
Proj Clie Con		tor:	Delj	ohi C	nahei orpora mat/T	tion			erations	1201	N. Magno	lia				S			o.: 1 Ja	l of	ıry :	31,	200		******
				C	asing	Sa	ample	er	Barrel		Drilling	Equipmer	nt and I	Procedures		- 1	inis Irille		Ja Doug		ıry :	31,	200	6	
Туре	<del></del>				-		S		HSA	Rig	Make & Mo									_	log	gan	/J. ]	Rear	rdo
Insid	le D	iame	ter (ii	ո.)	_		1 3/8		_	t	Туре: -					E	leva	atio							
Ham	ımer	· Wei	ght (	b.)	-		140		_	!	l Mud: Noi sing: Rota					-	atui oca	m tion	t			—		-	
Ham	mer	Fall	(in.)		-		30		-		st/Hammer:	ry HSA :						N E	-						
<u> </u>		ا ج	Ş	2		.   등	E	log	1 \	/ieual	l-Manual Ide	ontificatio	n and I	Docarintian		Gr	avel	1 3	San	d				Tes	t
h (ft		ndd)	l be	는 ed	h H	Jagra j	/Det	Sym								S.C.	<u>0</u>	arse	ginu	ഉ	es	Cy	ness	ity	£
Depth (ft.)	SPT*	PID (ppm)	Sample No.	& Ke Sam	Depth (ft.)	well Diagram	Elev./Depth (ft.)	USCS Symbol	(De structi	ensity/oure, od	consistency, o for, moisture,	color, GROI optional de	JP NAN scription	IE, max. partions, geologic in	de size**, terpretation	Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -		0.3	0810	0.0	0   [			SP	0-4 Ha	nd Au	gered								$\exists$		+				
-			İ	4.0	0				Loose,	browi	n, silty SANI	), fine grai	ned, mo	oist, no stain,	no odor.										
- 5 -			0825 60	4.0												OND-CONTRACT OF THE PROPERTY O			TO THE	TAXABILITATION OF THE PARTY OF	**************************************		The second secon	The state of the s	
							6.5	SP	no odoi					rained, moist				THE PROPERTY OF THE PROPERTY O	***	THE TATE OF THE ACTUAL PROPERTY OF THE TATE OF THE TAT	100000000000000000000000000000000000000		The state of the s		***************************************
			0836 32	9.0	3000		9.0	SP	Loose y			D, fine gra	ined, tra	ace silt and cl	ay, moist,										
10				***************************************		1	0.0		Loose, no stair	gray b	orown, SANI odor.	), fine grai	ned, tra	ce silt and cla	y, moist,							+			*********
							THE STATE OF THE S													dependent and a control of the contr				A THE RESIDENCE AND A COLOR	
		0.6	0846 34	14. 19.	3950\$																				
- 15 -																		***************************************			TOTAL CONTRACTOR OF THE PARTY O	A TAXABA			
		0.3	0852 36	19.0	: 9939F F		-		PA-Add design									-	TOTAL CHARGE CONTRACTOR			-			
- 20 -	_				el Dat	2				٥,	ample Ideni	tification	١٨	Ioll Diggram											
Da	te	Tir		Elaps	ed	De	oth (f		):	0	ample Ideni Open End I			ell Diagram Riser Pipe		verb			nma Iin.		******				
Da		111	T	ime (		ottom Casing			Water	Т	Thin Wall			Screen Filter Sand		ock (		,		,					
									***************************************	U	Undisturbe	•	9, 9 6	Cuttings Grout		ampl					***************************************				
							-			S G	Split Spoor Geoprobe			Concrete Bentonite S	Seal	orin	_				A-I	MV	V-5		
	d Te		las II		Dilata Tough		: L-	Low	id, S-Slo , M-Med	lium.	H-High	Drv	Strena	N-Nonplastic th: N-None,	L-Low. N	1-Me	diun	n F	H-Hi	ah	V-\	Very	/ Hiç	gh_	
				ws pe ident		on an	···Ма d pe≀	xımuı rcen	m particle tages ba	size (n i <b>sed c</b>	nm) is determ on visual-m	ined by dire anual me	ct obser thods (	vation within to	ne limitation as practi	s of sa ced l	ampl <b>oy H</b>	er si Iale	ze (i v &	Alc	illime Iric	∍ters h, Ir	). 1C.		

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G;022486\GINT132486\_LOGS.GPJ

Feb 23, 06

TEST BORING REPORT  TEST BORING REPORT  TEST BORING REPORT  Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)  20.0 CL Soft, sandy CLAY, fine grained, low plasticity, moist, no stain, no odor.												324	H 86 0			-5	
Depth (ft.)	SPT*	Sample No.	& Rec. (in.) Sample	Deptn (π.) Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Density/consistency, color, GROUP NAME, max. particle size**,	_	vel	_	% Medium	d			ield ග	Plasticity a	
20						_											
25 -	0.	08558	24.0		24.5	SP	Loose, gray-brown to yellow-brown, SAND, fine to medium grained, moist, no stain, no odor.										
60	0.	0904 4 36	29.0 34.0		29.4		Medium dense, brown, clayey SAND, fine grained, moist, no stain, no odor.										
					31.0	SP	Stiff to very stiff, brown, sandy CLAY, fine grained, medium \\plasticity, moist, no stain, no odor.  Medium dense, brown, SAND with silt, fine grained, moist, no stain, no odor.										
5 +	1.	0916 30	34.0 39.0		34.0 35.0 36.0		Medium dense, brown, SAND with silt, fine grained, wet, no stain, no odor.  Soft, brown, clayey SILT, medium plasticity, wet, no stain, no odor.  Medium dense, brown, SAND, fine grained, wet, no stain, no odor.				,	95	5			A P. S. A.	
		0922	39.0		39.0	SP								-			
		60	44.0		33.0	3r	Loose, light brown, SAND, fine to medium grained, wet, no stain, no odor.				65 3	35					
RAMINATION	0.3	3 0942 54	44.0 48.5			SP	Loose, light brown, SAND, fine to medium grained, wet, no stain, no odor.  Bottom of exploration at 48.5 feet.  Samples taken at 10-10.5 feet, 20-20.5 feet, 30-30.5 feet.				70 3	30					
					48.5			-									-

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\32486\GINT\32486\_LOGS.GPJ Feb 23, 06

Boring No. HA-MW-5

Boring No. HA-MW-6 **TEST BORING REPORT** 32486 Former Anaheim Battery Operations 1201 N. Magnolia File No.: Project: Sheet No.: 1 of 3 Client: Delphi Corporation Contractor: West Hazmat/Test America January 31, 2006 Start: January 31, 2006 Finish: Sampler **Drilling Equipment and Procedures** Casing Barrel Driller: Doug Rig Make & Model: Truck - CME-75 H&A Rep.: K. Hoggan/J. Reardor Type S **HSA** Bit Type: Elevation Inside Diameter (in.) 1 3/8 Datum Drill Mud: None Hammer Weight (lb.) 140 Location Casing: Rotary HSA N -Hammer Fall (in.) 30 Hoist/Hammer: - -Ε Gravel Sand Field Test Elev./Depth (ft.) Sample No. & Rec. (in.) Symbol **Nell Diagram** PID (ppm) Visual-Manual Identification and Description Sample Depth (ft.) Depth (ft.) % Medium **Foughness** % Coarse % Fines Dilatancy % Fine Plasticity Fine Strength uscs s SPT\* (Density/consistency, color, GROUP NAME, max. particle size\*\* structure, odor, moisture, optional descriptions, geologic interpretation) % % 0.0 Hand auger top 4 feet. 4.0 0.6 4.0 1216 4.0 SM Medium dense, brown, silty SAND, fine grained, moist, no stain, no 85 15 9.0 5 Stiff, brown silty CLAY with sand, fine grained, medium plasticity, 6.5 CL 10 95 moist, no stain, no odor. 1223 9.0 14 0 0.6 9.5 SM Medium dense, brown, silty SAND with clay, fine grained, moist, no 80 20 10 Same as above, except yellow brown, no clay. 14.0 1229 19.0 15 15.0 ML Medium dense, brown, SILT with sand, fine grained, low plasticity, 10 90 16.5 Medium dense, brown, SAND with silt, fine grained, moist, no stain, 0.4 SP 90 10 1316 19.0 36 24.0 Water Level Data Sample Identification Well Diagram Summary Depth (ft.) to: Riser Pipe Elapsed 0 Open End Rod Overburden (lin. ft.) Date Time Time (hr.) Bottom of Hole Bottom Bottom Screen Water Т Thin Wall Tube Rock Cored (lin. ft.) Filter Sand Undisturbed Sample Cuttings Samples Grout S Split Spoon Concrete Boring No. HA-MW-6 G Geoprobe Bentonite Seal Dilatancy: Field Tests: R-Rapid, S-Slow, N-None Plasticity: N-Nonplastic, L-Low, M-Medium, H-High Toughness: L-Low, M-Medium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High, V-Very High \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size (in millimeters). \*SPT = Sampler blows per 6 in.

Note: Soil identification and percentages based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc

JSCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G/J32486/GINTJ32486\_LOGS.GPJ

Feb 23, 06

A <sup>4</sup>	ALEY DRIG	& CH		-			Т	EST BORING REPORT	1	-ile	No	٥.		486	<b>IA-</b> I		<b>'-6</b>	
ff.)		m)	No.	#)	Iram	əpth	Symbol	Visual-Manual Identification and Description	Gra	ave		Sai	ηd		F	ield		t
Depth (ft.)	<u>*</u>	PID (ppm)	Sample No.	Sample Denth (#)	Well Diagram	Elev./Depth (ft.)	SS Syr	(Density/consistency, color, GROUP NAME, max. particle size**,	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 20	SPT	쿱	Sa	Sa	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	∐ H	nscs	structure, odor, moisture, optional descriptions, geologic interpretation)	%	%	%	%	%	%	Dila	Tou	Plas	Stre
		A SAMPLE CONTRACTOR OF THE PROPERTY OF THE PRO	AVA - mily manufacture and a second	a da compositiva de la compositiva della composi			ML SM	4 inch silt lense.  Medium dense, brown, SAND, fine grained, moist, no stain, no odor.		The state of the s			80	20				
- - 25 - - -		0.2	1321 36	24.0 29.0		24.0	SP	Medium dense, brown, SAND, fine grained, moist, no stain, no odor.		T ANY ADDRESS OF THE REAL PROPERTY OF THE REAL PROP	TOTAL THE PERSON NAMED AND PASSAGE AND PAS		95	5	ON LOCAL STREET, STREE			
-30		0.2	1327 40	29.0 34.0		29.5	ML	Same as above, except wet.  Medium dense, brown, clayey SILT, low plasticity, wet, no stain, no odor.						100	· ·	**************************************		
						31.0	CL	Stiff, brown silty CLAY, medium plasticity, no stain, no odor.						100				
- 35 -			1334 30	34.0 39.0		34.0	ML	Medium dense, brown SILT, wet, no stain, no odor.		_				100			AN EXPERIENCE TO THE PROPERTY OF THE PROPERTY	
-		A social medium property of the Schillenberg o		The same of the sa		35.5	SP	Medium dense, brown to light brown, SAND, fine to medium grained, wet, no stain, no odor.				90	10	T TOTAL MINE SEVEN AND SERVICE		- Allegaria de la constanta de		
- 40		TO THE STATE OF TH	1345 30	39.0 44.0			SP	Same as above.		On the second se	WALL CONTRACTOR OF THE PARTY OF	90	10		110000000000000000000000000000000000000	***************************************		
			1356	44.0					AND THE PROPERTY OF THE PROPER	Addition of the Control of the Contr		***************************************		TO THE RESIDENCE OF THE PARTY O	**************************************			
- 45	And the second s		40	93.0			***************************************							###VAAAA4914151.4			THE PROPERTY OF THE PROPERTY O	
			1406	49.0			Management of the state of the	nm) is determined by direct observation within the limitations of sampler size.							New York Control of the Control of t			

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:32486\GINT132486\_LOGS.GPJ Feb 23,06

SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.  $\,^{\mathrm{HA}\text{-}\mathrm{MW}\text{-}6}$ 

Å	ALEY LDRI(	& CH		3			T	EST BORING REPORT	F	ile	No	٠.	324	186	IA-N	MW-	·6	
ft.)		m)	No.	t.)	ıram	əpth	loqu	Visual-Manual Identification and Description	1	evel	1	San E				ield ss	Tes	ı
Depth (ft.)	SPT*	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	(Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
<u>-</u> 50	4S	ā.	25	52.0	Me Me	<u>当</u> <del>世</del> <del>)</del>	SP	Bottom of exploration at 52 feet.  Samples taken at 5-5.5 feet (HA-MW-6-05), 10-10.5 feet (HA-MW-6-10), 15-15.5 feet (HA-MW-6-15), 20-20.5 feet (HA-MW-6-20), 25-25.5 feet (HA-MW-6-25), 30-30.5 feet (HA-MW-6-30).	96	%	%	96	%	%	Dile	Tor.	Plas	Stre
										THE THE THE PARTY OF THE	The state of the s							

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\32486\GINT\32486\_LOGS.GPJ

Feb 23, 06

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No.  $\,^{\mathrm{HA}\text{-}\mathrm{MW}\text{-}6}$ 

HA AT	ALEN DRI	(&± CH					7	EST	В	ORIN	G REF	POF	RT					Во	rir	ng	No	).	HA	\-IVI	W-	7
Proj Clie Con			Delph	er Anah i Corpo Hazmat	orati	on		erations	120	01 N. Ma	agnolia						Sh St	le N nee art:	t N	o.: ;	l o	uary	<i>i</i> 1,	200 200		
				Casi	ng	Sam	oler	Barrel		Dril	lling Equip	oment	and P	rocedure	es			nish illei				лат у	, 1,	200	.0	
Туре	9			-		S		HSA	R	ig Make	& Model:	Truc	k - CM	E-75			H	§Α	Re	p.: <b>I</b>	ζ. 1	Hog	gan	/J. ]	Rea	rdoi
Insid	le Di	amete	er (in.)	) -		1 3	/8	-		it Type: rill Mud:	-							eva atur		n						
Ham	mer	Weig	jht (lb.	) -		14	0	-	1		Rotary HS	SA					-	cat	tion							
Ham	mer	Fall (	in.)	-		30		_	1		nmer: -								N - E -							
Depth (ft.)	SPT*	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth	USCS Symbol	(De	ensit	y/consiste	al Identific	GROU	P NAME	≣, max. pa	rticle size*		Coarse a	% Fine	se	San Wedinm		% Fines	Dilatancy	Toughness @	Plasticity a	Strength
- 0 =	SF	₫	s a	Sa	ĕ	H 4	US(	structi	ure,	odor, mois	sture, optior	nal des	criptions	s, geologic	interpreta	tion)	%	%	%	%	%	%	iii	Tot	Pla	Stre
- 5 Da	te		Nater E	19.0 24.0 Level [lapsed me (hr.)	Во	Depth	3ottom	for lith	nolog	Sample O Open T Thin \ U Undis	Identifica End Rod Wall Tube sturbed Sa Spoon probe	tion		ell Diagra Riser Pi Screen Filter Se Cuttings Grout Concrete	am pe and	Ove Roo Sars	ck C	urde Core es	en (	(lin.	ft.)		M	W-7		
	d Tes			To		ness:	L-Lov	v, M-Me	diun	N-None n, H-High	h	Dry :	Strengt	h: N-Nor	stic, L-Lo ne, L-Lov	v, M-	Med	diun	n, I	H-H	igh	. V-	-Ver	у Ні	gh	
*S				s per 6 i lentifica							letermined b ual-manua															_

Feb 23, 06

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\32486\GINT\32486\_LOGS.GPJ

HA AL	LEY DRIC	& H				· ·	Т	EST BORING REPORT	F	ile	Νo		324	186	[ <b>A-</b> N		-7	
ر (ft.)		PID (ppm)	Sample No.	ole (ft)	Well Diagram	Elev./Depth (ft.)	Symbol	Visual-Manual Identification and Description		avel	ě	Sar		se		ield See		
Depth (ft.)	SPT*	) QIA	Samp	Sample Depth (ft.)	Well D	Elev./	nscs	(Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strenath
- 20 <del>-</del>						20.0	SP	Loose, light brown SAND, fine grained, moist, no stain, no odor.									***************************************	
		0.6				22.0	CL SM	Clay seam, brown, medium plasticity, laminations, 1 inch thick. Medium dense, brown, silty SAND, fine grained moist, no stain, no odor.		777								
- 25 - 25 -			1457	24.0 29.0		25.0	SP	Water at 25.5 feet.  Loose, brown, poorly graded SAND, fine grained, moist, no stain, no odor.					-					
-		3.1				27.0	CL ML	Medium stiff, brown, CLAY, medium plasticity, moist, no stain, no odor.					35	65				<del></del>
-								Soft, sandy SILT, sand fine grained, low dry strength, moist, no stain, no odor, coarsening downward.										
-30 +		2.6	1500 5	29.0 34.0		30.0	SM	Medium dense, brown, silty SAND, fine grained, moist, no stain, no odor.  Medium dense, brown, poorly graded SAND, fine grained, moist, no					60 70					
-								stain, no odor.	***									
- 35			1505 2	34.0 39.0		TOTAL CALL OF THE		Becomes wet and coarsens downward.										
-		1.1				35.5 N	īL/M	HMedium stiff, SILT, low to medium plasticity, wet, iron staining, no odor, laminations.				5	65	10	_			-
			1512	39.0		39.0	SM	Brown, silty SAND, fine grained, wet, no staining, no odor, some										
- 40 -			5	44.0			ML	laminations.  Medium stiff, brown, SILT, medium plasticity, wet, no stain, no odor, laminations, calcified nodules.										
		0.9					SP	Loose, brown, SAND, fine to medium grained, wet, no stain, no odor.					The state of the s					
45			1518 2	44.0 49.0														
										ANNUAL STATE OF THE STATE OF TH					Westerness and Assess and Assess and Assess and Assess and Assess and Asses	***************************************		
			1527	49.0			AND THE PROPERTY OF THE PROPER			Pagarage Halles Control of the Contr	THE RESERVE THE PROPERTY OF TH				WASHINGTON TO THE PARTY OF THE	VIIII III III III III III III III III I	***************************************	
					i	n particle	size (n	nm) is determined by direct observation within the limitations of sampler size.	E									

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:32486/GINT32486\_LOGS.GPJ

Feb 23, 06

HALEY & ALDRICE			 	T	EST BORING REPORT	F	ile	No	١.	324	186	I <b>A-</b> N		-7	
Depth (ft.) SPT*	PID (ppm) Sample No.	Sample Depth (ft.)	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	ge	San Wedium %		% Fines	Dilatancy	Toughness a	Plasticity a	Strength
		54.0	54.0	SP	Bottom of exploration at 54 feet below ground surface.  Samples taken at 22-23 feet (HA-MW-7-22), 27-28 feet (HW-MW-7-27), 30-31 feet (HA-MW-7-30).										
										A					

USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:32486\GINT32486\_LOGS.GPJ

Feb 23, 06

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size. NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. HA-MW-7

HA AL	ALEY DRI	Y&z ICH					1	EST	BORING REPOR	e <b>T</b>		Вс	rii	ng	No.	F	 	/IW	-8
Proj Cliei Con		]	Delph:	er Anah i Corpo Hazmat	ratic	on		erations	1201 N. Magnolia		S	tart	et N :	0.: ] Fe		3 ary 2	2, 20		
***************************************				Casir	ng	Samı	pler	Barrel	Drilling Equipment	and Procedures		inisl rille		re Ooug		агу 2	2, 20	00	
Гуре	9				+	S		HSA	Rig Make & Model: Truck							ogg	an		
		iamete	ar (in )	İ		1 3		110/1	Bit Type:			leva		n					
		Weig				14		_	Drill Mud: None			atui oca							~
		Fall (i						_	Casing: Rotary HSA Hoist/Hammer:			004	N E	-					
			(in.) - 30 - Hoist/Hammer:								Gı	avel		San	t	T	Fiel	d Te	st
(ff.)		(md									9	3	rse	ium		ς ;	ess	\_>	, ,
Depth (ft.)	SPT*	PID (ppm)	Sample & Rec.	Sample Depth	Well Diagram	Elev./E	(π.) USCS S	(De	ensity/consistency, color, GROUF ture, odor, moisture, optional desc	P NAME, max. particle size** criptions, geologic interpretat	ion)	% Fine	% Coarse	% Medium	% Fine	% Fines	Toughness	Plasticity	Ctronoath
0 -								See HA	A-MW-8D for soil descriptions.										T
5																		AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
15 - Da	ite	Tim	E E		Bott of Ca	Depth tom ising	n (ft.) t Bottom of Hole	Water	U Undisturbed Sample S Split Spoon G Geoprobe	Well Diagram Riser Pipe Screen Filter Sand Cuttings Grout Concrete Bentonite Seal	Overt Rock Samp	ourd Cor les	en ed <b>No</b>	(lin.	ft.) ft.)		1W-	8	The second secon
Fiel	ld Te	ests:			atano		R-Ra	oid, S-SI	low, N-None Plast	icity: N-Nonplastic, L-Lo	w, M-N	ediu	ım,	H-H	ligh	171		-انجا	
	PT =	Sampl	er blow	Toi s per 6 i		ess:			edium, H-High Dry S e size (mm) is determined by direc	Strength: N-None, L-Low tobservation within the limita	∕, M-Me tions of :	ediui	m, oler :	H-H size (	igh, (in m	V-V illime	ery l ters).	ııgh	

Feb 23, 06

USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\32486\GINT\32486\_LOGS.GPJ

USCS\_TB3

H Ai	ALEY DRIC	& CH					Т	EST BORING REPORT	F	ile	No	١.	324	86	[ <b>A-</b> N		-8	
(		<u> </u>	9 (-		m m	oth	log	Visual-Manual Identification and Description	Gra	ivel		San	ıd			ield	Tes	t
Depth (ft.)	Ž	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol		% Coarse	ne	% Coarse	% Medium	ne	% Fines	ancy	Toughness	icity	igth
	SPT*	le E	San	San Dep	Well	Ele (#)	nsc	(Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	% C	% Fine	°	× 8	% Fine	% F	Dilatancy	Toug	Plasticity	Strength
- 25													Additional in the second of th	THE PROPERTY OF THE PROPERTY O		The description of the second		
- 30 -									TAXABLE CONTRACTOR OF TAXABLE CONTRACTOR OF		***************************************				A DESCRIPTION OF THE PROPERTY	THE STATE OF THE S	and Judgm 14.	
- 35 -			A CARLON CONTRACTOR CO				- Comment		THEOLOGY AND ASSESSMENT OF THE PARTY OF THE		The state of the s	THE PARTY OF THE P	THE PROPERTY OF THE PROPERTY O	PARAMETER STATE ST		PARTIES AND AND AND AND AND AND AND AND AND AND	PRESENT THE PROPERTY OF THE PR	
- 40 - - - -	A CONTRACTOR OF THE CONTRACTOR						A de la grande de la companya de la companya de la companya de la companya de la companya de la companya de la		1,14,1,4	CONTRACTOR CONTRACTOR	The state of the s							
- 45 -		The property deliverance of the second secon						mm) is determined by direct observation within the limitations of sampler size.	The state of the s		To the Addition				// // // // // // // // // // // // //	THE RELEASE OF THE PROPERTY OF	111111111111111111111111111111111111111	

USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\32486\GINT\32486\_LOGS.GPJ

Feb 23, 06

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. HA-MW-8

Å	ALEY	∕& CH		***************************************			T	EST BORING REPORT	F	ile	No		324	86	IA-N	AW.	-8	
Depth (ft.)	SPT*	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	1	ivel	e)	San	d		F	ield ∽g		Strength
- 50		The state of the s				51.5		Bottom of exploration at 51.5 feet below ground surface.	NAME OF TAXABLE PARTY.			TO CAMERA MANAGEMENT AND AND AND AND AND AND AND AND AND AND	introdutional designation (Address)		The state of the s		and the second s	
- American		TANKS AND AND AND AND AND AND AND AND AND AND					TARROS CALLAS			THE COLUMN TO TH	4 AMARANA	WWW. ALL LAND AND AND AND AND AND AND AND AND AND	MANUS PROGRAMMA A TOTAL PARTY AND A TOTAL PARTY	THE CONTRACTOR OF THE CONTRACT	T TATAL PROPERTY OF THE PROPER	+ PARTICIPATE IN THE RESIDENCE AND A STATE OF THE PARTICIPATE	- A property of the second sec	
		PRODUCTION OF THE PROPERTY OF					- Address Control			T THE TAXABLE STATE OF THE TAXABLE STATE OF THE TAXABLE STATE OF TAXABLE S	THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT	The second secon	PARALOMA.	THE THE THE THE THE THE THE THE THE THE	THE PARTY OF THE P	TENTE DE LE CONTRACTOR DE LE CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE	ATTENDED TO THE PROPERTY OF TH	
		TO THE PROPERTY OF THE PROPERT	To the state of th		To record to the second to the				THE THE TAXABLE PROPERTY AND A SECOND PROPER	1	TOTAL STATE OF THE	THE PROPERTY OF THE PROPERTY O	A ST AND AND AND AND AND AND AND AND AND AND	A PARALL AND A PAR	A PROPERTY OF THE PROPERTY OF	- Louis - Language and Control of the Control of th	THE PERSON NAMED OF THE PE	
		NAME OF THE PROPERTY OF THE PR	TO THE PROPERTY OF THE PROPERT	**************************************	The second secon	nt en en en en en en en en en en en en en			Management of the Control of the Con	***************************************	NAMES AND THE PROPERTY OF THE		THE PARTY OF THE P		The second secon			
PORROLLO CONTRACTOR CO				The state of the s	And the state of t	TOTAL PLANTAGE AND A STATE OF THE STATE OF T	77 17 17 17 17 17 17 17 17 17 17 17 17 1	•	-	**************************************			The second secon	WANTED THE PROPERTY OF THE PRO	TOTAL DELIVERY AND A SECOND ASSESSMENT AND A SECOND ASSESSMENT ASS	WOMEN CO.	THE PROPERTY OF THE PROPERTY O	
· · · · · · · · · · · · · · · · · · ·	February and American Control of the				The second section sec		PROPERTY								THE PARTY OF THE P		***************************************	

Feb 23, 06

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. HA-MW-8

HALEY & ALDRICH	. Т	EST BORING REPORT		Во	rii	ng	No	 ).	НА	-M\	W-8	D
Project: Former Anaheir Client: Delphi Corporal Contractor: West Hazmat/Te	tion	erations 1201 N. Magnolia	St	le N nee art:	t N	lo.: F	1 o ebr	uar	y 1,			
Type - Inside Diameter (in.) - Hammer Weight (lb.) - Hammer Fall (in.) -	Sampler  S 1 3/8 140 30	Barrel Drilling Equipment and Procedures  HSA Rig Make & Model: Truck - CME-75 Bit Type: - Drill Mud: None Casing: Rotary HSA Hoist/Hammer:	Dr H& El Da Lo	eva atur ocat	r: I Re atio n tior N E	Dou ep.:] on - -	g K. :		y 1,	/J. ]	Rea	
SPT* PID (ppm) Sample No. & Rec. (in.) Sample Depth (ft.)	Elev./Depth (ft.) USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	Granse 8	% Fine	% Coarse	San Wedium %	*********	% Fines		Toughness 👨	Plasticity al	Strength
0745 0.0 4.0 4.0 9.0	4.0 SM	Hand auger to 4 feet below ground surface.  Dense, dark brown, silty fine SAND with some clay, moist, no odor, no structure, with some calcified nodules.				4	60	40				
0.5	7.0 CL 8.0 SM	Stiff, dark brown, CLAY, with some fine sand, medium plasticity, no odor, no structure.  Dense, dark brown, silty fine SAND with some clay, moist, no odor,					20	80				
0.3 0805 9.0 3 14.0	9.0 SM	no structure, with some calcified nodules.  Loose, dark brown to brown, poorly graded SAND, fine grained, moist, no odor, color grades to light brown, slight biotite content.		7,117		A CONTRACTOR OF THE PROPERTY O	80	20	TOTAL COLOR		Annual Residence of the Control of t	
0810 14.0 2 19.0	SP	No recovery.  Loose, brown to light brown, poorly graded SAND, fine grained, moist, no stain, no odor.					80	20				
0815 19.0 3 24.0 Water Level Dat	a	Sample Identification   Well Diagram		9	200	nm.	200					
Date Time Elapsed	Depth (ft.) to	O Open End Rod Water T Thin Wall Tube U Undisturbed Sample S Split Spoon S Split Spoon  Riser Pipe Screen Filter Sand Cuttings Grout Grout Concrete Bo	erbu ck C mple	urde Core es	en (	(lin.	ft.) ft.)		мW	7-81	<b>D</b>	
*SPT = Sampler blows per 6 in.	ness: L-Low **Maximu	Geoprobe   Bentonite Seal	-Me Mec of sa	diur dium Imple	m, n, l ers	H-H H-H	ligh igh	ı V-	-Ver	y Hic		

Feb 23, 06

H A	ALEY LDRIG	'&: CIH	CON				Т	EST BORING REPORT	F	Bor ile She	No	).	324	186			-8D	
·		(c)	9.5		am	pth	loqu	Visual-Manual Identification and Description	Gra	avel		Sar	ηd			ield	Tes	t
Depth (ft.)	*_	PID (ppm)	Sample No.	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	S Symbol	(Density/consistency, color, GROUP NAME, max. particle size**,	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Jath
- 20	SPT*	E C	San	San	Well		nscs	structure, odor, moisture, optional descriptions, geologic interpretation)	%	% F	° °	%	%	% ₽	Dilat	Toug	Plast	Strength
						20.0		No recovery.										
- 25		0.5	0820	24.0 29.0		23.5	SM ML SP	Grey brown, silty SAND, very fine grained.  Soft, dark brown, SILT with trace fine sand, moist, no odor, no stain, layering.  Loose to slightly dense, tan to light brown, poorly graded SAND, fine grained, no odor, no stain, moist.  No recovery.  Water table.			The second secon	PROFESSION AND ADDRESS OF THE PROFES	90	10			To control and the second seco	
- 30 -			0825 2.5	29.0 34.0			SP	At 28 feet coarsening downward, SAND.  No recovery.	A TANAMAN DE CAMPANA D			30	60	10			A TOTAL PARTY OF THE PARTY OF T	
The state of the s		0.6	0830	34.0		33.0	МН	At 32 feet SAND, fine to coarse grained, organic odor.  Slightly stiff, dark gray, SILT, laminations, slight organic odor, moist, trace calcite nodules up to .25 inches in diameter, coarsening downward.		-	50	30		90				
- 35 -		The state of the s	2	39.0		35.0	SP	Loose, brown, poorly graded SAND, medium to coarse grained, wet, no odor, no staining.			7777770000						- WHIMMAN	
- - 40 -			0835 3	39.0 44.0			SP	Same as above.  Loose, brown to tan, poorly graded SAND, medium to coarse grained, wet, no odor, no stain.	TO THE PARTY OF TH	A 1000 to make property of the second	60	40		The state of the s	The state of the s			
-45			0840	44.0 49.0				Same as above.	TO A CONTRACT OF THE CONTRACT	TE TOTAL A VISITA O CONTROL CO	ттте по тем сининностью подать на два на надажения на над				- Application and a second and	TYPO POTO NICOLOGICA SOCIALISTA S	** ***********************************	·
		A COLOR	0845	49.0				No recovery.										

SCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\32486\GINT\32486\_LOGS.GPJ Feb 23,06

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. HA-MW-8D

AT	ALEY DRIC	& CH					T	EST BORING REPORT	F	ile	No	- ),	324	186	IA-I	MW	-8D	
Depth (ft.)		PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description		avel o	é	Sar medium %		seu		ield sseu		
Dept	SPT*	PB)	Samp & Re	Sam	Well [	(ft.)	nscs	(Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	°C %	% Me	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 55			0.5	54.0 54.0 59.0			The state of the s	No recovery.	The state of the s		A THE REAL PROPERTY OF THE PRO			Account to the second s				
- 60		ANNOVA PARTIES AND AND ANNOVA PARTIES AND ANNOVA PARTIES AND ANNOVA PARTIES AND AND AND AND AND AND AND AND AND AND	0930	59.0 64.0	-	61.0	SP	Loose, brown to gray, poorly graded SAND, fine to medium grained, wet to moist, no odor, no stain, fining downward, sub-rounded grains.  Dark gray SAND, fine grained.	VIVIENNE STATE STA				90	10		AND THE PROPERTY OF THE PROPER	**************************************	-
- 65 -			0940 4	64.0 69.0				Loose, gray, poorly graded SAND, fine to coarse grained, coarsening downward, moist to wet, quartz and feldspar, sub-rounded, biotite fines.	And the second and sec		10	40	35	15		Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annua	The state of the s	
- 70 - -		The state of the s	0955	69.0 74.0			SP	Loose, gray to brown, poorly graded SAND, fine to coarse grained, very moist, no odor, no stain.  Fining downward.  SAND, fine to medium grained, quartz grains, biotite fines.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Transition of the state of the		60 80		Comment and the Assessment of		ANALYSIS OF THE PROPERTY OF TH	The state of the s	
- - 75		1.3	1015	74.0 79.0			SP	Same as above, loose, brown, poorly graded SAND, fine to medium grained.				80	20		STATE OF THE PROPERTY OF THE P		Technological Action Co.	
		0.7				78.0	ML	Soft, dark gray, SILT with fine sand, moist, slight odor, no stain, laminations.					20	80			- CONTRACTOR OF THE CONTRACTOR	

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:32486/GINT32486\_LOGS.GPJ

Feb 23, 06

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. HA-MW-8D

A A	ALEY LDRI	∕& CH					T	EST BORING REPORT	F	ile	No	).	o. 324	186	<b>IA-</b> N		-8D	
(ff.)		m)	No.	(#	gram	epth	loqui	Visual-Manual Identification and Description	Gra			Sar Ę				ield ss		
Depth (ft.)	SPT*	PID (ppm)	Sample No.	Sample Denth (ff.)	Well Diagram	Elev./Depth	USCS Symbol	(Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
						79.0	_	Bottom of exploration at 79 feet below ground surface.										
								Samples taken at 7-8 feet (HA-MW8-7), 17-18 feet (HA-MW8-17), 22-23 feet (HA-MW8-22), 32-33 feet (HA-MW8-32).										
			- A	***************************************			A A A A A A A A A A A A A A A A A A A									***************************************		
			- Personal Control of the Control of															
				NAME OF TAXABLE AND TAXABLE AN														
																	ŀ	
			***************************************													-		
																	ĺ	
				-												-		
			WEIGHT OF THE STATE OF THE STAT			The state of the s	The state of the s											
			TA CARLES THAN															
											-							
The state of the s													- Andreas	VALUE OF THE PARTY	-			
																	ŀ	
								,	-			The state of the s	WHICH SHAPE					
	a de la companya de l																	
	***************************************							·			The state of the s				***************************************		WANTED TO THE PARTY OF THE PART	
-																		

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:32488IGINT32486\_LOGS.GPJ Feb 23, 06

\*SPT = Sampler blows per 6 in. \*\*Maximum particle size (mm) is determined by direct observation within the limitations of sampler size.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. HA-MW-8D

HALEY & ALDRICH TEST BORING REPORT									BORING REPORT  Boring No.	). HA-MW-9										
Project: Former Anaheim Delphi Corporation Contractor: West Hazmat/Test						on	-	erations	Sheet No.: 1 o Start: Febr	Sheet No.: 1 of 3										
				Cas	ing	Samp	ler	Barrel	Drilling Equipment and Procedures Finish: Feor	iary 2, 2006										
Тур	е			-		S		HSA		Hoggan/J. Reardo										
Insid	de D	iame	ter (in.)	) -		1 3/	8	-	Bit Type: - Elevation Drill Mud: None Datum											
Han	nme	r Wei	ght (lb.	.) -		140	١	-	Casing: Rotary HSA Location											
Han	nme	r Fall	(in.)	_		30		-	Hoist/Hammer: E -											
Œ		Ē	No. C		ram	bth	Symbol	\	Gravel Sand Sisual-Manual Identification and Description	Field Test										
Depth (ft.)	*	(ppr	ple l	ple th (ff	Diagr	, De	S Syn		anse la la la la la la la la la la la la la	Fines atancy ughnes sticity enath										
Dep	SPT*	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth	nscs	structi	nsity/consistency, color, GROUP NAME, max. particle size**, rre, odor, moisture, optional descriptions, geologic interpretation)	% Fines Dilatancy Toughness Plasticity Strength										
- 0 - -	5 5 5		0818	0.5 2.0			SM	Mediur moist,	n dense, dark brown, silty SAND, fine grained, no structure, no stain, no odor.											
- 5 -	9 11 13	0.5	0825 18	4.5 6.0			SP	Mediur no odo	n dense, yellow brown, SAND, fine grained, moist, no stain, , some structure at 5.5 feet, grades to darker brown.	10										
- 10 -	8 10 12	0.7	0828 18	9.5			SM		dense, brown, silty SAND, fine grained, moist, no stain, no structure.	40										
- 15 -	9 9 11	0.5	0832 18	14.5		15.5	SP	odor, b	light brown, SAND with silt, fine grained, moist, no stain, no scomes medium brown, dark brown, coarsening downward.  (ht brown, sandy SILT, moist, no stain, no odor.  45											
- 20 - Da	9		rie i	apsed		Depth	SM (ft.) to	);	dense, light brown, silty SAND, fine grained, coarsening	40										
			1 Ir	Time (hr.)	of Cas		Hole	Water	T Thin Wall Tube Filter Sand Rock Cored (lin. ft.)	,										
						***************************************	y section		U Undisturbed Sample S Split Spoon Cuttings Grout Concrete Roring No. 11											
Fiel	ld Te	sts:		Di	latan	cv: F	R-Rani	id. S-Sla	G Geoprobe    Concrete Bentonite Seal   Boring No. H   Seal   Bentonite Seal   Boring No. H   Concrete Bentonite Seal   Boring No. H   Concrete Bentonite Seal   Boring No. H   Concrete Bentonite Seal   Boring No. H   Concrete Bentonite Seal   Boring No. H	A-MW-9										
			ler blow	To	oughr	ness:	L-Low	M-Med	ium, H-High Dry Strength: N-None, L-Low, M-Medium, H-High size (mm) is determined by direct observation within the limitations of sampler size (in n	V-Verv High										
						and p	ercen	tages ba	sed on visual-manual methods of the USCS as practiced by Haley & Al	drich, Inc.										

USCS\_TB3 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT

Feb 23, 06

G:\32486\GINT\32486\_LOGS.GPJ

HALEY & ALDRICH						TEST BORING REPORT					Boring No. HA-MW-9 File No. 32486 Sheet No. 2 of 3									
Depth (ff.)	1	PID (ppm)	Sample No. & Rec. (in.)	Sample Depth (ft.)	Well Diagram	Elev./Depth (ft.)	USCS Symbol	Visual-Manual Identification and Description  (Density/consistency, color, GROUP NAME, max. particle size**, structure, odor, moisture, optional descriptions, geologic interpretation)		evel		San medium %	nd			Toughness @	Plasticity a	Strength		
- 20	10 12		18	21.0				downward, moist, no stain, no odor.												
- - - 25 -	9 9 10	0.5	0853	24.5 26.0			SP	Medium dense to dense, brown, SAND, fine grained, moist, no stain, no odor.	TOTAL A A A A A A A A A A A A A A A A A A			AND THE PROPERTY OF THE PROPER	90	10						
-30	9 10 10	1.2	0856 18	29.5		30.0	CL SP	Medium stiff, brown, CLAY, medium plasticity, moist, iron \(\staining, no odor.\) Loose, brown, SAND, fine grained, wet, no stain, no odor.	THE PROPERTY OF THE PROPERTY O	THE PROPERTY OF THE PROPERTY O				100	The state of the s	- Control of the Cont	tribati manaman propagata.			
- 35	10 11 12	1.2	0859 18	34.5		35.0	A second	Soft, brown, silty CLAY, medium plasticity, wet, no stain, no odor, no structure.  Medium dense, brown, SAND, fine grained, wet, no stain, no odor, no structure.	AND AND AND AND AND AND AND AND AND AND	Villation and the state of the	THE RESIDENCE OF THE PROPERTY		***************************************	100	Add areas a second seco	Visite and the second s	man constant of the state of th			
- 40	7 8 9		0905 18	39.5 41.0			THE STATE OF THE S	Loose, brown to light brown, SAND, fine to medium grained, wet, no stain, no odor.	And And And And And And And And And And	Annual service and the service	A CONTRACTOR OF THE CONTRACTOR	30 (	60	<b>7</b>		A CALLED THE STATE OF THE STATE	A STATE OF THE STA	THE PARTY OF THE P		
- 45 -	9 10 12			44.5 46.0				Same as above, except coarsening downward.		THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON	6	60 4	40	TANDILL TO THE PERSON OF THE P	The second secon	A COLOR OF THE COL	WATER TO THE PARTITION OF THE PARTITION			
																	CONTRACTOR OF THE PART LAW VALLAGE			

Feb 23, 06 USCSLIB3NEW\_SPTCOLUMN.GLB USCSTBC3.GDT G:\02486\GINT\02486\_LOGS.GPJ